



IES INDOOR REPORT
PHOTOMETRIC FILENAME : HIGH-8-835-U10-SM-CP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 14298494.05_modified to 8ft length
 [TESTLAB] UL LLC
 [ISSUEDATE] 4/29/2022
 [MANUFAC] Lux Dynamics
 [LUMCAT] HIGH-8-835-U10-SM-CP
 [LUMINAIRE] HIGH Line LED Fixture, 8' Length, 3500K, Clear Polycarbonate Lens
 [LAMP] White LED array
 [BALLAST] Four (4) OSRAM OPTOTRONIC OTi 85/120-277/2A3 DIM L HB
 [OTHER] -
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	31348
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	213.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.67 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.08 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	49178	47784	47013
55	40457	43210	46796
65	29579	40862	44235
75	18824	36002	35487
85	10067	29110	25333

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	9032.0	9032.0	9032.0	9032.0	9032.0	9032.0	9032.0	9032.0	9032.0
0.5	9016.0	9040.0	9030.0	9018.0	9076.0	9018.0	9028.0	9030.0	9016.0
1.0	9016.0	9038.0	9032.0	9022.0	9080.0	9020.0	9028.0	9032.0	9010.0
1.5	9016.0	9040.0	9036.0	9022.0	9084.0	9024.0	9030.0	9028.0	9008.0
2.0	9012.0	9032.0	9034.0	9032.0	9090.0	9022.0	9030.0	9024.0	9004.0
2.5	9012.0	9032.0	9040.0	9040.0	9100.0	9032.0	9028.0	9022.0	8994.0
3.0	9010.0	9030.0	9042.0	9046.0	9106.0	9036.0	9032.0	9022.0	8986.0
3.5	9002.0	9030.0	9042.0	9052.0	9118.0	9048.0	9032.0	9016.0	8982.0
4.0	8992.0	9026.0	9048.0	9060.0	9124.0	9056.0	9032.0	9016.0	8968.0
4.5	8988.0	9022.0	9052.0	9068.0	9140.0	9062.0	9036.0	9012.0	8960.0
5.0	8986.0	9018.0	9054.0	9078.0	9150.0	9066.0	9038.0	9006.0	8952.0
5.5	8976.0	9010.0	9054.0	9084.0	9158.0	9076.0	9042.0	9000.0	8944.0
6.0	8964.0	9006.0	9056.0	9088.0	9164.0	9084.0	9038.0	8994.0	8930.0
6.5	8950.0	9000.0	9056.0	9094.0	9168.0	9084.0	9038.0	8988.0	8918.0
7.0	8938.0	8992.0	9054.0	9096.0	9174.0	9090.0	9044.0	8976.0	8900.0
7.5	8924.0	8982.0	9054.0	9096.0	9176.0	9092.0	9040.0	8968.0	8882.0
8.0	8910.0	8974.0	9046.0	9098.0	9178.0	9094.0	9036.0	8960.0	8866.0
8.5	8896.0	8962.0	9042.0	9094.0	9176.0	9096.0	9030.0	8950.0	8856.0
9.0	8880.0	8946.0	9038.0	9090.0	9178.0	9094.0	9024.0	8938.0	8840.0
9.5	8866.0	8936.0	9030.0	9092.0	9182.0	9090.0	9022.0	8924.0	8816.0
10.0	8850.0	8924.0	9026.0	9092.0	9184.0	9088.0	9010.0	8912.0	8798.0
10.5	8830.0	8912.0	9018.0	9094.0	9186.0	9088.0	9002.0	8898.0	8780.0
11.0	8814.0	8902.0	9008.0	9092.0	9194.0	9088.0	8996.0	8886.0	8756.0
11.5	8790.0	8880.0	9000.0	9096.0	9200.0	9088.0	8986.0	8870.0	8726.0
12.0	8770.0	8864.0	8990.0	9096.0	9200.0	9086.0	8976.0	8856.0	8708.0
12.5	8742.0	8850.0	8980.0	9100.0	9212.0	9090.0	8966.0	8844.0	8686.0
13.0	8718.0	8830.0	8968.0	9106.0	9220.0	9094.0	8954.0	8824.0	8656.0
13.5	8692.0	8810.0	8958.0	9104.0	9220.0	9090.0	8946.0	8804.0	8630.0
14.0	8668.0	8786.0	8952.0	9108.0	9226.0	9086.0	8934.0	8782.0	8602.0
14.5	8636.0	8768.0	8938.0	9110.0	9230.0	9092.0	8920.0	8764.0	8572.0
15.0	8612.0	8740.0	8928.0	9112.0	9230.0	9092.0	8906.0	8740.0	8538.0
15.5	8584.0	8718.0	8918.0	9110.0	9232.0	9092.0	8896.0	8718.0	8508.0
16.0	8554.0	8692.0	8908.0	9108.0	9230.0	9090.0	8886.0	8694.0	8478.0
16.5	8526.0	8668.0	8896.0	9104.0	9226.0	9086.0	8872.0	8670.0	8444.0
17.0	8502.0	8640.0	8878.0	9094.0	9212.0	9080.0	8856.0	8644.0	8412.0
17.5	8468.0	8616.0	8868.0	9082.0	9206.0	9074.0	8844.0	8620.0	8380.0
18.0	8434.0	8592.0	8856.0	9074.0	9196.0	9062.0	8826.0	8590.0	8344.0
18.5	8404.0	8562.0	8844.0	9062.0	9178.0	9050.0	8814.0	8564.0	8308.0
19.0	8362.0	8530.0	8824.0	9048.0	9172.0	9038.0	8798.0	8534.0	8274.0
19.5	8332.0	8496.0	8808.0	9026.0	9154.0	9020.0	8784.0	8504.0	8234.0
20.0	8298.0	8466.0	8786.0	9012.0	9136.0	9004.0	8760.0	8474.0	8198.0
20.5	8258.0	8436.0	8766.0	8992.0	9118.0	8984.0	8742.0	8436.0	8152.0
21.0	8214.0	8398.0	8742.0	8972.0	9094.0	8964.0	8720.0	8404.0	8112.0
21.5	8174.0	8364.0	8722.0	8950.0	9076.0	8940.0	8696.0	8368.0	8070.0
22.0	8138.0	8328.0	8698.0	8928.0	9056.0	8916.0	8676.0	8334.0	8030.0
22.5	8096.0	8288.0	8674.0	8904.0	9032.0	8892.0	8652.0	8294.0	7984.0
23.0	8060.0	8252.0	8642.0	8872.0	9010.0	8864.0	8628.0	8256.0	7936.0
23.5	8016.0	8210.0	8616.0	8848.0	8984.0	8842.0	8598.0	8218.0	7894.0
24.0	7972.0	8166.0	8586.0	8820.0	8960.0	8814.0	8570.0	8178.0	7848.0
24.5	7924.0	8126.0	8550.0	8794.0	8934.0	8788.0	8538.0	8138.0	7794.0
25.0	7876.0	8078.0	8518.0	8768.0	8910.0	8760.0	8504.0	8096.0	7742.0
25.5	7830.0	8034.0	8484.0	8738.0	8882.0	8732.0	8470.0	8050.0	7692.0
26.0	7778.0	7990.0	8444.0	8706.0	8852.0	8704.0	8434.0	8006.0	7646.0
26.5	7734.0	7946.0	8406.0	8678.0	8820.0	8674.0	8394.0	7962.0	7592.0

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CANDELA TABULATION - (Cont.)

27.0	7678.0	7896.0	8366.0	8640.0	8788.0	8642.0	8356.0	7916.0	7532.0
27.5	7622.0	7852.0	8328.0	8608.0	8758.0	8608.0	8314.0	7866.0	7480.0
28.0	7572.0	7800.0	8282.0	8574.0	8728.0	8574.0	8278.0	7820.0	7426.0
28.5	7510.0	7750.0	8246.0	8536.0	8692.0	8538.0	8234.0	7772.0	7374.0
29.0	7456.0	7702.0	8198.0	8498.0	8652.0	8500.0	8194.0	7720.0	7318.0
29.5	7398.0	7652.0	8158.0	8464.0	8616.0	8468.0	8146.0	7670.0	7264.0
30.0	7340.0	7600.0	8110.0	8424.0	8580.0	8430.0	8104.0	7622.0	7210.0
30.5	7284.0	7548.0	8068.0	8388.0	8536.0	8392.0	8058.0	7564.0	7150.0
31.0	7228.0	7496.0	8022.0	8350.0	8500.0	8354.0	8016.0	7512.0	7090.0
31.5	7164.0	7442.0	7974.0	8310.0	8458.0	8314.0	7970.0	7458.0	7032.0
32.0	7104.0	7380.0	7924.0	8268.0	8408.0	8278.0	7922.0	7406.0	6964.0
32.5	7040.0	7326.0	7876.0	8226.0	8364.0	8236.0	7876.0	7354.0	6904.0
33.0	6982.0	7268.0	7824.0	8184.0	8318.0	8196.0	7828.0	7292.0	6842.0
33.5	6920.0	7214.0	7776.0	8140.0	8264.0	8148.0	7780.0	7238.0	6776.0
34.0	6854.0	7150.0	7724.0	8096.0	8216.0	8102.0	7726.0	7176.0	6716.0
34.5	6808.0	7088.0	7674.0	8050.0	8162.0	8056.0	7680.0	7122.0	6654.0
35.0	6744.0	7026.0	7624.0	7998.0	8106.0	8008.0	7630.0	7068.0	6584.0
35.5	6670.0	6966.0	7568.0	7950.0	8050.0	7958.0	7578.0	7008.0	6508.0
36.0	6612.0	6900.0	7512.0	7900.0	7990.0	7908.0	7524.0	6946.0	6450.0
36.5	6550.0	6834.0	7462.0	7840.0	7934.0	7858.0	7474.0	6882.0	6382.0
37.0	6474.0	6774.0	7410.0	7782.0	7870.0	7802.0	7420.0	6820.0	6284.0
37.5	6420.0	6702.0	7358.0	7726.0	7804.0	7748.0	7366.0	6752.0	6248.0
38.0	6344.0	6642.0	7298.0	7668.0	7742.0	7690.0	7314.0	6686.0	6192.0
38.5	6268.0	6568.0	7246.0	7608.0	7684.0	7630.0	7256.0	6616.0	6110.0
39.0	6196.0	6506.0	7190.0	7550.0	7616.0	7570.0	7204.0	6554.0	6012.0
39.5	6080.0	6430.0	7130.0	7492.0	7554.0	7510.0	7148.0	6490.0	5948.0
40.0	6044.0	6356.0	7072.0	7426.0	7486.0	7448.0	7092.0	6424.0	5878.0
40.5	5986.0	6284.0	7014.0	7364.0	7424.0	7388.0	7026.0	6350.0	5788.0
41.0	5892.0	6222.0	6956.0	7304.0	7358.0	7326.0	6972.0	6270.0	5730.0
41.5	5806.0	6166.0	6892.0	7242.0	7298.0	7260.0	6918.0	6210.0	5666.0
42.0	5718.0	6068.0	6828.0	7178.0	7234.0	7200.0	6858.0	6152.0	5614.0
42.5	5642.0	6004.0	6770.0	7118.0	7176.0	7136.0	6798.0	6062.0	5506.0
43.0	5532.0	5910.0	6712.0	7050.0	7112.0	7076.0	6732.0	5988.0	5422.0
43.5	5464.0	5846.0	6658.0	6982.0	7060.0	7012.0	6676.0	5908.0	5348.0
44.0	5394.0	5772.0	6576.0	6924.0	7004.0	6942.0	6608.0	5834.0	5246.0
44.5	5302.0	5698.0	6518.0	6856.0	6952.0	6876.0	6550.0	5764.0	5172.0
45.0	5212.0	5610.0	6462.0	6796.0	6896.0	6814.0	6482.0	5684.0	5108.0
45.5	5128.0	5528.0	6394.0	6740.0	6848.0	6762.0	6428.0	5620.0	5014.0
46.0	5048.0	5460.0	6324.0	6678.0	6804.0	6706.0	6352.0	5544.0	4934.0
46.5	4958.0	5384.0	6266.0	6618.0	6762.0	6648.0	6296.0	5454.0	4852.0
47.0	4876.0	5298.0	6178.0	6564.0	6724.0	6588.0	6242.0	5388.0	4764.0
47.5	4786.0	5214.0	6138.0	6506.0	6688.0	6528.0	6134.0	5314.0	4676.0
48.0	4702.0	5136.0	6080.0	6466.0	6670.0	6472.0	6090.0	5228.0	4594.0
48.5	4616.0	5064.0	6006.0	6422.0	6636.0	6426.0	6032.0	5152.0	4506.0
49.0	4526.0	4986.0	5948.0	6354.0	6604.0	6390.0	5962.0	5072.0	4418.0
49.5	4436.0	4904.0	5864.0	6326.0	6578.0	6332.0	5918.0	4998.0	4328.0
50.0	4352.0	4828.0	5804.0	6286.0	6554.0	6292.0	5838.0	4920.0	4248.0
50.5	4264.0	4744.0	5748.0	6234.0	6530.0	6260.0	5794.0	4842.0	4158.0
51.0	4176.0	4664.0	5674.0	6236.0	6510.0	6200.0	5718.0	4760.0	4068.0
51.5	4090.0	4586.0	5624.0	6188.0	6486.0	6172.0	5652.0	4680.0	3988.0
52.0	4006.0	4504.0	5568.0	6152.0	6450.0	6140.0	5574.0	4600.0	3902.0
52.5	3918.0	4426.0	5522.0	6110.0	6414.0	6116.0	5520.0	4522.0	3814.0
53.0	3830.0	4344.0	5436.0	6082.0	6398.0	6092.0	5456.0	4440.0	3728.0
53.5	3750.0	4264.0	5362.0	6068.0	6354.0	6042.0	5404.0	4358.0	3644.0
54.0	3668.0	4178.0	5316.0	6040.0	6320.0	6018.0	5336.0	4278.0	3560.0
54.5	3580.0	4096.0	5252.0	6012.0	6288.0	5998.0	5284.0	4196.0	3470.0

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55.0	3494.0	4014.0	5196.0	5986.0	6248.0	5940.0	5222.0	4116.0	3388.0
55.5	3410.0	3936.0	5144.0	5938.0	6216.0	5950.0	5166.0	4036.0	3300.0
56.0	3324.0	3852.0	5086.0	5886.0	6170.0	5910.0	5108.0	3954.0	3214.0
56.5	3238.0	3770.0	5034.0	5850.0	6122.0	5864.0	5048.0	3872.0	3134.0
57.0	3162.0	3688.0	4978.0	5826.0	6070.0	5820.0	4994.0	3792.0	3052.0
57.5	3078.0	3606.0	4920.0	5774.0	6016.0	5796.0	4942.0	3712.0	2972.0
58.0	2994.0	3526.0	4874.0	5734.0	5992.0	5750.0	4890.0	3634.0	2884.0
58.5	2914.0	3444.0	4824.0	5702.0	5940.0	5690.0	4836.0	3554.0	2802.0
59.0	2832.0	3368.0	4768.0	5640.0	5886.0	5652.0	4782.0	3476.0	2722.0
59.5	2750.0	3286.0	4724.0	5582.0	5842.0	5612.0	4736.0	3396.0	2640.0
60.0	2670.0	3208.0	4672.0	5546.0	5774.0	5550.0	4682.0	3322.0	2560.0
60.5	2590.0	3132.0	4620.0	5490.0	5706.0	5522.0	4636.0	3242.0	2482.0
61.0	2508.0	3054.0	4566.0	5438.0	5654.0	5476.0	4584.0	3162.0	2410.0
61.5	2430.0	2976.0	4516.0	5400.0	5594.0	5402.0	4538.0	3086.0	2332.0
62.0	2360.0	2900.0	4470.0	5312.0	5550.0	5368.0	4486.0	3010.0	2256.0
62.5	2280.0	2828.0	4416.0	5280.0	5500.0	5318.0	4432.0	2934.0	2180.0
63.0	2202.0	2754.0	4368.0	5222.0	5428.0	5250.0	4382.0	2860.0	2106.0
63.5	2124.0	2678.0	4314.0	5176.0	5348.0	5198.0	4330.0	2786.0	2032.0
64.0	2048.0	2608.0	4258.0	5110.0	5290.0	5130.0	4276.0	2710.0	1958.8
64.5	1972.4	2538.0	4208.0	5046.0	5222.0	5076.0	4228.0	2642.0	1886.8
65.0	1896.6	2470.0	4152.0	4970.0	5144.0	5020.0	4174.0	2572.0	1816.8
65.5	1822.8	2406.0	4096.0	4920.0	5066.0	4946.0	4114.0	2498.0	1748.6
66.0	1752.6	2340.0	4044.0	4854.0	4992.0	4882.0	4062.0	2434.0	1682.2
66.5	1683.6	2274.0	3986.0	4782.0	4916.0	4814.0	4004.0	2366.0	1617.4
67.0	1616.2	2208.0	3926.0	4712.0	4834.0	4740.0	3950.0	2302.0	1553.4
67.5	1549.4	2144.0	3868.0	4638.0	4752.0	4668.0	3888.0	2234.0	1491.2
68.0	1483.8	2078.0	3806.0	4564.0	4664.0	4594.0	3830.0	2168.0	1430.0
68.5	1421.8	2016.0	3744.0	4488.0	4580.0	4516.0	3774.0	2104.0	1370.4
69.0	1360.6	1954.0	3686.0	4416.0	4492.0	4444.0	3712.0	2040.0	1313.4
69.5	1301.4	1893.4	3622.0	4336.0	4408.0	4362.0	3650.0	1978.2	1257.0
70.0	1243.0	1833.2	3558.0	4256.0	4312.0	4286.0	3588.0	1917.8	1201.8
70.5	1187.0	1773.4	3492.0	4172.0	4220.0	4202.0	3522.0	1857.2	1147.6
71.0	1132.2	1715.6	3426.0	4088.0	4124.0	4120.0	3456.0	1797.6	1095.0
71.5	1080.6	1659.2	3360.0	4006.0	4034.0	4036.0	3392.0	1739.0	1044.6
72.0	1028.6	1602.4	3288.0	3922.0	3944.0	3950.0	3326.0	1681.4	995.0
72.5	979.4	1546.8	3222.0	3836.0	3846.0	3866.0	3256.0	1626.4	947.4
73.0	931.4	1492.8	3152.0	3750.0	3756.0	3784.0	3188.0	1571.2	901.4
73.5	884.2	1440.4	3084.0	3668.0	3662.0	3700.0	3118.0	1516.8	855.2
74.0	838.6	1388.2	3016.0	3578.0	3572.0	3612.0	3050.0	1463.2	811.0
74.5	794.6	1338.0	2946.0	3498.0	3478.0	3532.0	2980.0	1411.0	767.2
75.0	751.6	1289.0	2876.0	3410.0	3390.0	3450.0	2904.0	1359.8	727.0
75.5	710.8	1240.6	2808.0	3328.0	3304.0	3368.0	2836.0	1310.8	685.2
76.0	670.4	1193.6	2740.0	3250.0	3214.0	3288.0	2762.0	1262.6	645.6
76.5	631.6	1147.6	2670.0	3172.0	3134.0	3208.0	2698.0	1214.8	606.8
77.0	594.8	1102.6	2602.0	3088.0	3044.0	3126.0	2628.0	1168.2	570.0
77.5	558.8	1059.2	2532.0	3008.0	2960.0	3048.0	2562.0	1122.2	533.8
78.0	522.6	1016.6	2470.0	2924.0	2872.0	2968.0	2494.0	1078.0	499.0
78.5	488.6	975.4	2406.0	2848.0	2788.0	2882.0	2430.0	1035.2	465.6
79.0	455.4	934.2	2342.0	2766.0	2704.0	2804.0	2362.0	993.4	433.2
79.5	423.8	895.2	2276.0	2688.0	2618.0	2722.0	2302.0	951.4	401.6
80.0	393.2	856.4	2210.0	2610.0	2538.0	2642.0	2236.0	911.2	370.8
80.5	364.0	818.4	2144.0	2532.0	2464.0	2564.0	2172.0	871.6	342.0
81.0	335.6	781.0	2080.0	2456.0	2380.0	2488.0	2108.0	833.2	314.4
81.5	308.2	745.0	2020.0	2386.0	2306.0	2416.0	2046.0	795.4	287.4
82.0	282.4	710.0	1958.8	2318.0	2236.0	2348.0	1984.6	758.2	262.2
82.5	256.8	676.4	1899.8	2246.0	2162.0	2276.0	1924.6	722.2	237.6

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CANDELA TABULATION - (Cont.)

83.0	232.6	644.8	1842.2	2176.0	2090.0	2206.0	1866.6	687.6	214.6
83.5	209.4	613.4	1785.8	2108.0	2020.0	2136.0	1809.8	654.6	192.4
84.0	187.2	583.2	1730.2	2040.0	1952.6	2068.0	1754.6	622.4	171.6
84.5	166.2	554.2	1675.8	1974.4	1885.6	1999.8	1700.2	591.6	151.8
85.0	146.2	525.6	1622.4	1910.2	1820.6	1932.2	1647.0	562.0	133.2
85.5	127.4	498.6	1571.2	1846.8	1757.2	1870.0	1593.4	533.0	115.8
86.0	109.6	472.4	1520.8	1785.8	1696.2	1808.4	1542.0	505.6	99.4
86.5	93.0	448.0	1470.8	1726.4	1636.0	1748.8	1492.2	478.8	84.2
87.0	77.4	424.4	1422.0	1669.0	1577.2	1690.0	1444.0	453.2	69.8
87.5	62.8	402.6	1376.0	1612.0	1520.4	1632.6	1397.0	429.8	57.4
88.0	49.6	382.8	1331.0	1557.0	1465.2	1576.4	1351.4	407.6	46.8
88.5	38.2	365.2	1287.2	1504.0	1412.4	1522.2	1306.4	387.0	38.0
89.0	28.8	349.2	1245.8	1451.4	1360.6	1469.2	1264.0	368.4	31.4
89.5	21.4	335.2	1206.8	1401.4	1310.0	1418.0	1223.8	352.4	19.6
90.0	12.8	323.2	1171.0	1352.8	1262.0	1368.6	1185.8	338.8	11.2
90.5	10.2	313.2	1137.2	1306.0	1216.2	1321.2	1150.2	326.6	11.0
91.0	10.4	304.4	1105.4	1261.6	1171.8	1275.6	1117.0	316.2	11.0
91.5	10.6	296.0	1075.2	1218.8	1130.0	1232.4	1085.8	307.4	11.2
92.0	10.8	288.8	1046.4	1178.0	1090.2	1191.0	1057.0	299.4	11.8
92.5	11.4	282.4	1019.0	1140.2	1052.2	1151.8	1029.0	292.0	12.0
93.0	11.8	276.6	993.6	1103.6	1015.8	1114.2	1003.6	284.6	12.4
93.5	12.0	271.2	968.0	1068.2	981.8	1078.0	978.6	277.8	13.0
94.0	12.8	266.6	943.8	1034.4	948.8	1043.6	954.4	272.2	13.6
94.5	13.6	261.8	920.6	1001.8	917.8	1010.8	930.4	266.8	14.2
95.0	14.4	258.2	897.4	970.2	887.8	978.8	906.6	261.8	14.6
95.5	15.2	254.6	874.4	939.4	859.4	948.6	883.2	257.0	15.0
96.0	16.2	250.8	851.6	910.2	832.6	919.8	860.4	253.0	15.4
96.5	17.4	248.2	829.6	882.2	806.8	891.8	837.6	249.0	16.0
97.0	18.4	245.2	808.4	856.4	782.6	865.2	816.0	245.6	16.2
97.5	19.4	242.8	788.0	831.2	759.8	840.4	795.4	242.8	16.6
98.0	20.6	240.0	768.4	807.8	737.6	816.2	775.2	239.8	17.2
98.5	21.8	237.4	749.6	785.0	717.4	793.4	755.2	237.8	17.8
99.0	23.0	235.8	730.8	763.8	698.2	772.2	736.0	235.8	18.8
99.5	24.2	234.6	713.0	743.8	680.4	752.0	718.0	234.4	19.8
100.0	25.6	234.0	696.4	725.0	663.6	732.2	701.0	233.6	20.6
100.5	26.6	234.2	680.2	706.8	648.0	713.4	684.4	233.4	21.4
101.0	27.8	235.0	664.6	689.8	633.4	695.8	668.0	233.6	22.2
101.5	28.8	236.4	650.2	673.6	619.6	679.2	653.4	234.2	23.4
102.0	30.4	237.6	636.6	658.4	606.4	663.4	639.0	235.2	24.8
102.5	31.8	239.6	623.2	644.0	594.8	649.0	625.6	236.8	26.2
103.0	33.2	241.6	610.6	631.0	583.8	635.2	612.2	238.6	27.4
103.5	34.8	243.8	598.6	618.6	573.0	622.2	600.0	241.0	28.8
104.0	36.2	246.0	586.8	606.8	563.4	609.8	587.8	243.2	30.0
104.5	37.6	248.2	575.8	595.2	553.8	598.0	577.4	245.8	31.4
105.0	39.2	250.6	565.6	585.0	545.2	587.0	566.6	248.0	32.6
105.5	40.8	253.0	556.0	574.8	537.6	577.0	557.2	251.0	33.6
106.0	42.2	255.2	546.8	565.8	530.0	567.8	548.6	253.4	35.0
106.5	43.8	257.4	538.4	557.6	523.6	559.0	539.4	256.0	36.4
107.0	45.6	259.2	530.2	549.6	516.8	550.8	531.8	258.6	37.6
107.5	47.2	260.6	522.8	542.2	510.8	543.2	524.8	260.4	39.0
108.0	48.8	262.4	516.4	535.6	505.6	536.4	518.0	262.0	40.2
108.5	50.4	263.6	510.2	529.6	500.2	530.0	512.2	263.0	41.4
109.0	52.0	265.6	505.8	523.6	495.6	524.2	507.4	263.6	42.8
109.5	53.8	267.2	502.6	517.8	491.4	518.8	503.2	264.6	44.4
110.0	55.4	268.6	500.0	513.0	486.8	513.6	499.8	265.4	45.6
110.5	57.0	270.2	497.4	508.0	483.8	508.6	496.6	267.0	47.2

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CANDELA TABULATION - (Cont.)

111.0	58.4	271.2	496.2	502.6	479.8	504.0	494.4	268.4	48.4
111.5	60.2	272.4	494.8	497.8	476.2	500.0	492.2	270.6	49.8
112.0	61.8	273.6	494.0	493.6	473.0	495.8	491.2	271.6	51.0
112.5	63.4	275.0	492.8	490.4	469.8	492.4	490.4	273.4	52.2
113.0	65.0	276.0	492.2	487.2	466.8	489.0	489.4	274.0	53.6
113.5	66.6	277.4	492.0	483.6	463.4	485.6	489.0	273.8	55.2
114.0	68.0	279.0	492.2	480.2	461.0	483.0	488.8	273.8	56.6
114.5	69.8	280.6	491.8	478.2	458.2	481.0	489.4	275.2	58.0
115.0	71.2	281.8	491.8	476.0	455.6	478.8	489.4	276.8	59.4
115.5	73.0	283.2	491.6	475.0	453.2	476.8	489.4	278.0	60.4
116.0	74.6	284.2	490.6	473.8	450.4	475.4	489.6	278.8	61.0
116.5	76.0	285.4	490.2	472.6	448.0	474.2	489.4	279.4	61.8
117.0	77.4	286.4	489.6	471.0	446.2	473.0	489.2	279.8	62.6
117.5	79.0	287.6	488.0	469.8	444.8	472.0	488.0	280.6	63.8
118.0	80.4	288.4	486.6	469.4	442.8	470.6	486.2	281.2	64.4
118.5	81.6	289.2	485.2	468.8	441.6	469.4	484.2	281.8	65.4
119.0	83.0	289.8	483.4	468.6	440.4	468.0	482.0	282.2	66.4
119.5	84.0	289.8	481.0	467.8	439.2	466.6	478.8	282.6	66.8
120.0	85.2	290.0	479.0	467.8	438.8	465.6	475.8	282.4	67.6
120.5	86.4	290.2	476.8	467.6	438.4	464.6	472.6	282.2	68.2
121.0	87.4	289.4	473.8	467.2	438.4	463.0	470.4	281.6	68.8
121.5	88.0	289.2	470.8	466.4	438.8	462.2	468.4	279.8	69.4
122.0	88.8	288.8	468.0	465.8	439.0	461.4	465.6	278.4	70.0
122.5	89.6	288.4	465.0	465.2	438.6	460.6	463.2	277.6	70.4
123.0	90.2	287.6	461.8	464.2	438.8	460.0	460.2	276.0	70.8
123.5	91.0	286.4	458.6	463.2	438.6	459.2	454.0	270.8	71.4
124.0	91.6	285.4	454.6	461.8	438.0	458.0	444.2	266.2	71.8
124.5	92.2	284.0	450.8	460.2	437.6	456.8	436.6	263.8	72.4
125.0	92.6	282.8	447.6	458.2	437.0	455.2	431.8	263.8	72.8
125.5	93.2	281.2	443.4	456.2	436.2	453.4	430.0	265.2	73.4
126.0	93.8	279.6	439.4	453.8	435.0	451.4	428.8	267.0	73.6
126.5	94.2	278.0	434.8	451.2	433.4	449.2	426.4	266.0	74.0
127.0	94.6	276.0	430.8	448.8	432.0	446.4	423.2	263.2	74.2
127.5	94.8	274.4	426.2	445.6	430.2	443.8	419.4	260.0	74.4
128.0	95.2	272.2	421.2	442.6	428.4	441.0	415.2	256.0	74.8
128.5	95.6	270.2	416.4	439.0	426.0	438.6	411.0	252.2	75.0
129.0	95.8	268.0	411.2	435.6	423.8	435.6	406.8	248.4	75.0
129.5	96.2	265.2	406.2	432.2	420.8	432.0	402.0	244.6	75.2
130.0	96.2	262.8	401.0	428.4	418.2	429.2	396.4	240.4	75.2
130.5	96.4	260.2	396.0	424.8	415.8	425.2	389.8	236.6	75.4
131.0	96.6	257.0	391.4	420.8	412.6	421.2	384.4	232.6	75.6
131.5	96.6	254.0	387.0	416.4	409.0	417.2	378.4	228.8	75.6
132.0	96.6	250.4	382.6	412.6	406.4	413.2	371.6	224.8	75.8
132.5	96.4	246.4	378.2	408.2	403.0	408.4	363.8	220.6	75.8
133.0	96.4	242.6	374.2	404.2	399.8	401.6	356.2	216.4	76.0
133.5	96.2	238.6	370.0	400.2	395.8	393.4	348.4	212.6	75.8
134.0	96.0	234.6	365.8	395.8	392.4	386.2	341.4	208.6	75.6
134.5	95.8	231.0	361.6	391.4	388.6	380.4	335.4	204.6	75.6
135.0	95.6	227.4	357.4	386.8	385.0	376.4	329.4	200.8	75.4
135.5	95.4	223.6	353.2	382.4	380.8	373.6	322.8	196.8	75.2
136.0	95.0	220.4	348.6	377.2	376.6	370.4	316.2	192.8	75.0
136.5	94.6	217.2	344.6	372.2	373.2	366.0	307.6	188.8	74.8
137.0	94.4	214.4	340.2	368.0	369.4	361.8	298.4	184.8	74.6
137.5	94.0	211.0	336.0	362.8	365.4	357.8	288.4	180.8	74.4
138.0	93.6	208.4	331.6	358.4	360.8	353.2	278.8	177.0	74.0
138.5	93.2	205.2	327.0	353.8	357.2	348.8	270.6	173.2	73.4

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CANDELA TABULATION - (Cont.)

139.0	92.8	202.0	322.8	349.4	352.6	344.6	264.8	169.4	73.2
139.5	92.4	198.8	317.8	344.6	348.4	340.4	260.0	165.4	72.8
140.0	91.8	195.8	313.8	340.4	344.6	336.2	254.0	161.6	72.6
140.5	91.4	192.6	308.6	336.2	340.4	332.4	246.8	157.8	71.2
141.0	90.8	189.2	303.6	331.8	335.8	328.0	240.8	153.6	71.2
141.5	90.2	186.0	298.2	327.4	331.8	323.2	236.6	149.8	71.6
142.0	89.8	182.8	293.0	323.2	328.0	319.4	233.2	146.4	72.0
142.5	89.4	179.6	288.2	319.2	323.6	315.2	231.4	143.2	71.8
143.0	89.0	176.4	283.2	314.6	317.4	311.2	229.0	140.4	71.8
143.5	88.6	173.2	278.4	310.4	310.6	306.6	225.0	137.6	71.8
144.0	88.0	170.2	273.4	306.4	304.2	302.0	220.4	134.8	71.8
144.5	87.6	167.0	268.6	302.4	298.4	296.6	215.2	131.6	71.8
145.0	87.2	164.2	263.8	298.2	293.4	291.2	210.8	129.0	72.0
145.5	87.0	161.2	258.4	293.8	290.0	285.6	205.6	127.0	72.2
146.0	86.8	158.4	253.4	289.6	287.6	279.4	200.4	125.0	72.4
146.5	86.2	155.6	248.8	284.8	284.4	272.6	195.2	122.8	72.6
147.0	85.4	152.8	244.2	280.6	281.2	265.6	190.2	120.6	72.8
147.5	84.8	150.2	239.2	276.2	277.6	258.6	185.2	118.6	73.0
148.0	84.0	147.2	234.8	271.6	273.6	251.6	180.2	116.4	73.2
148.5	83.4	144.2	230.0	267.0	269.8	244.0	175.4	114.6	73.6
149.0	82.8	141.0	225.2	262.4	266.0	236.8	170.8	112.6	73.8
149.5	82.2	137.8	220.4	257.8	261.8	227.8	166.2	110.6	74.0
150.0	81.6	135.0	215.8	253.2	257.6	217.6	161.8	108.6	74.2
150.5	81.4	131.8	211.4	248.8	253.2	208.8	157.6	107.0	74.6
151.0	81.2	129.0	206.8	244.2	249.2	201.0	154.0	105.2	74.8
151.5	81.0	126.2	202.2	239.8	244.8	194.0	150.4	103.6	75.0
152.0	80.8	123.0	197.6	234.8	240.4	187.4	146.8	102.0	75.2
152.5	80.6	120.2	193.0	230.4	236.4	182.2	143.6	100.6	75.4
153.0	80.6	117.8	188.4	225.8	231.6	177.8	140.8	99.4	75.8
153.5	80.2	115.6	183.8	221.0	227.4	172.8	138.0	98.2	75.8
154.0	80.2	113.4	178.8	216.6	222.8	168.2	135.0	97.0	76.0
154.5	80.0	111.2	173.8	211.8	218.6	163.8	132.2	95.6	76.2
155.0	79.8	109.0	169.0	207.8	214.2	159.4	129.6	94.4	76.2
155.5	79.8	106.8	164.4	203.4	210.0	154.8	126.8	93.2	76.4
156.0	79.8	104.8	160.2	199.0	205.8	150.2	124.2	92.0	76.8
156.5	79.8	102.8	156.2	194.4	201.4	146.0	121.6	90.6	77.0
157.0	79.8	100.8	152.6	188.6	197.0	142.2	118.8	89.4	77.4
157.5	79.8	98.8	149.0	182.6	192.8	138.4	116.2	88.0	77.6
158.0	79.8	97.0	145.4	176.8	188.6	134.8	113.8	86.8	77.8
158.5	80.0	95.2	142.2	171.8	184.2	131.2	111.4	85.6	77.8
159.0	80.2	93.2	139.0	166.8	179.8	127.8	109.2	84.2	78.0
159.5	80.6	91.4	135.8	162.0	175.6	124.0	107.0	83.0	78.0
160.0	80.8	89.8	132.4	158.0	171.2	119.8	104.8	81.8	78.2
160.5	81.0	88.0	129.4	154.2	166.4	115.6	102.8	80.6	78.4
161.0	81.2	86.4	125.8	150.2	161.0	111.4	100.6	79.2	78.6
161.5	81.4	85.6	122.4	146.2	155.8	107.0	98.0	78.0	79.0
162.0	81.6	85.0	119.4	142.0	151.2	102.4	95.6	76.8	79.2
162.5	81.8	84.6	116.6	138.0	146.8	98.6	93.4	76.0	79.4
163.0	82.0	84.8	113.8	134.0	142.4	94.8	91.2	75.6	79.4
163.5	82.0	85.2	111.0	130.2	138.4	91.4	89.2	75.4	79.6
164.0	82.2	85.6	108.4	126.6	134.6	88.2	87.2	75.4	79.8
164.5	82.0	86.2	105.8	123.0	130.4	85.0	85.2	75.0	80.0
165.0	82.0	87.2	103.4	119.4	126.2	82.0	83.4	75.4	80.2
165.5	82.2	88.6	101.0	116.0	122.4	79.2	81.6	76.6	80.4
166.0	82.4	89.2	98.6	112.4	118.4	76.4	80.0	77.6	80.6
166.5	82.4	89.0	96.2	108.6	114.4	73.4	78.4	78.6	80.8

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CANDELA TABULATION - (Cont.)

167.0	82.6	88.6	94.0	105.0	110.8	70.6	77.0	79.8	81.0
167.5	82.8	88.0	91.8	101.6	108.0	67.6	75.6	81.0	81.2
168.0	82.8	87.6	89.6	98.6	104.6	64.4	74.0	81.4	81.4
168.5	83.0	86.8	87.6	95.4	100.8	61.8	72.6	80.8	81.6
169.0	83.2	86.4	85.6	92.6	97.2	59.2	71.2	80.4	81.6
169.5	83.2	85.8	84.4	90.0	94.6	57.0	70.2	80.6	81.8
170.0	83.4	85.2	84.4	87.4	92.2	55.2	69.2	80.6	82.0
170.5	83.4	84.8	84.2	84.8	83.8	53.8	69.0	80.8	82.2
171.0	83.4	84.4	84.8	82.0	71.4	52.8	69.0	80.8	82.4
171.5	83.4	83.8	86.6	79.8	67.6	52.0	69.0	80.6	82.4
172.0	83.4	83.6	87.6	78.8	65.4	51.6	70.4	80.4	82.4
172.5	83.4	83.4	88.2	78.4	56.6	52.4	72.2	80.2	82.6
173.0	83.2	83.0	87.2	77.6	46.0	53.2	73.4	80.2	82.4
173.5	83.4	83.0	86.0	78.4	44.2	54.6	74.2	80.0	82.6
174.0	83.2	82.8	84.8	79.8	44.4	57.2	73.8	80.0	82.6
174.5	83.2	82.8	83.8	79.6	45.4	59.2	73.2	80.2	82.6
175.0	83.2	82.8	83.2	78.2	45.8	60.4	72.8	80.4	82.8
175.5	83.4	82.6	82.6	76.6	45.4	60.6	72.6	80.4	82.8
176.0	83.4	82.6	82.2	75.4	45.2	61.0	72.4	80.8	83.0
176.5	83.4	82.4	82.0	74.0	45.0	61.2	73.4	81.0	83.2
177.0	83.6	82.2	81.6	72.8	44.8	61.6	74.4	81.0	83.4
177.5	83.8	82.2	81.2	72.0	45.0	62.4	75.2	81.0	83.4
178.0	83.8	82.0	81.0	71.0	45.2	63.8	76.0	81.0	83.6
178.5	84.0	82.0	80.6	70.2	45.4	64.8	77.0	81.4	83.6
179.0	83.8	81.8	80.0	69.4	45.8	65.6	78.0	81.6	83.6
179.5	83.8	81.8	79.6	68.4	45.8	66.6	78.8	81.6	83.8
180.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HIGH-8-835-U10-SM-CP.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3381.6	N.A.	10.80
0-30	7264.83	N.A.	23.20
0-40	11959.87	N.A.	38.20
0-60	21273.24	N.A.	67.90
0-80	27599.27	N.A.	88.00
0-90	29007.94	N.A.	92.50
10-90	28145.54	N.A.	89.80
20-40	8578.27	N.A.	27.40
20-50	13400.33	N.A.	42.70
40-70	13063.87	N.A.	41.70
60-80	6326.02	N.A.	20.20
70-80	2575.52	N.A.	8.20
80-90	1408.68	N.A.	4.50
90-110	1175.94	N.A.	3.80
90-120	1551.08	N.A.	4.90
90-130	1871.36	N.A.	6.00
90-150	2236.5	N.A.	7.10
90-180	2339.79	N.A.	7.50
110-180	1163.85	N.A.	3.70
0-180	31347.73	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	862.40
10-20	2519.2
20-30	3883.23
30-40	4695.05
40-50	4822.05
50-60	4491.31
60-70	3750.5
70-80	2575.52
80-90	1408.68
90-100	720.62
100-110	455.32
110-120	375.14
120-130	320.28
130-140	228.28
140-150	136.87
150-160	68.41
160-170	27.76
170-180	7.12

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HIGH-8-835-U10-SM-CP.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30		10
0	117	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	106	100	95	91		102	97	93	89	92	88	85	86	83	81	82	79	77	74
2	96	87	79	73		92	84	77	72	79	74	69	75	70	66	71	67	64	61
3	87	76	67	60		84	74	66	59	69	63	57	66	60	55	62	57	53	51
4	79	67	58	51		76	65	56	50	61	54	48	58	52	47	55	50	46	43
5	73	60	50	43		70	58	49	43	55	47	42	52	46	41	50	44	39	37
6	67	53	44	38		65	52	44	37	50	42	36	47	40	35	45	39	35	32
7	62	48	39	33		60	47	39	33	45	37	32	43	36	31	41	35	31	28
8	58	44	35	30		56	43	35	29	41	34	29	39	33	28	38	32	27	25
9	54	40	32	26		52	40	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24		49	36	29	24	35	28	23	33	27	23	32	26	22	21

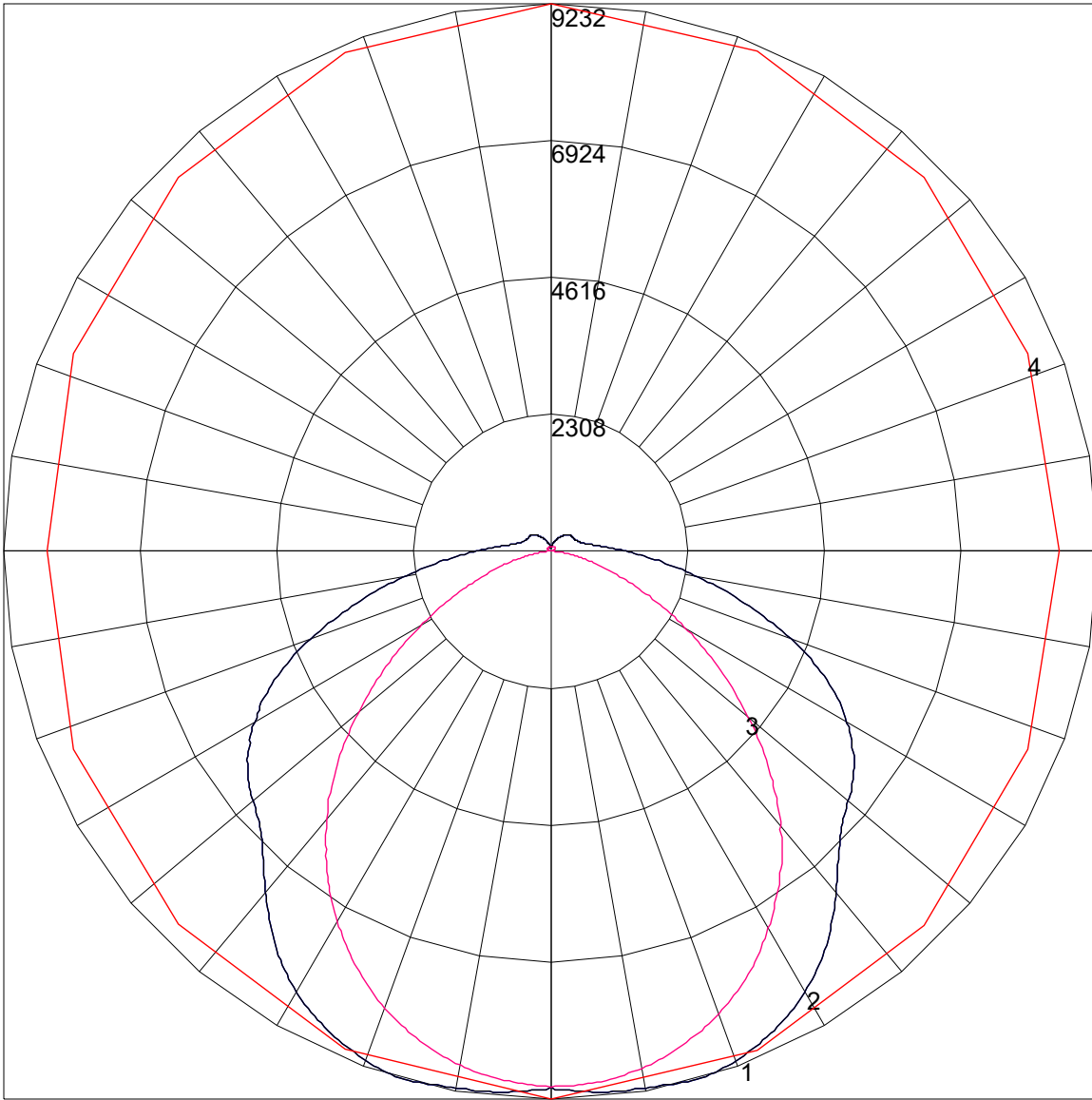
IES INDOOR REPORT
PHOTOMETRIC FILENAME : HIGH-8-835-U10-SM-CP.IES

UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	22.0	23.5	22.5	24.0	24.5	26.5	28.0	27.0	28.5	29.0
	3H	23.0	24.3	23.5	24.8	25.4	29.1	30.4	29.6	30.9	31.5
	4H	23.2	24.5	23.7	25.0	25.6	30.1	31.4	30.6	31.9	32.5
	6H	23.3	24.5	23.9	25.0	25.6	31.1	32.3	31.6	32.8	33.4
	8H	23.3	24.5	23.9	25.0	25.6	31.5	32.7	32.1	33.2	33.8
	12H	23.3	24.4	23.9	25.0	25.6	32.0	33.1	32.5	33.6	34.2
4H	2H	23.6	24.9	24.1	25.4	25.9	26.9	28.2	27.4	28.7	29.3
	3H	24.8	25.9	25.3	26.5	27.0	29.7	30.8	30.2	31.3	31.9
	4H	25.1	26.1	25.7	26.7	27.3	30.9	31.9	31.5	32.5	33.1
	6H	25.3	26.2	25.9	26.8	27.4	32.0	32.9	32.6	33.5	34.1
	8H	25.3	26.1	25.9	26.7	27.4	32.6	33.4	33.1	34.0	34.6
	12H	25.3	26.1	25.9	26.7	27.3	33.1	33.9	33.7	34.5	35.1
8H	4H	26.3	27.1	26.9	27.7	28.3	31.1	31.9	31.6	32.5	33.1
	6H	26.7	27.4	27.3	28.0	28.6	32.4	33.1	33.0	33.7	34.3
	8H	26.7	27.4	27.3	28.0	28.7	33.0	33.6	33.6	34.3	34.9
	12H	26.8	27.3	27.4	27.9	28.7	33.7	34.3	34.4	34.9	35.6
12H	4H	26.6	27.3	27.2	27.9	28.6	31.1	31.8	31.7	32.4	33.1
	6H	27.1	27.7	27.7	28.3	29.0	32.4	33.0	33.0	33.6	34.3
	8H	27.3	27.8	27.9	28.5	29.2	33.1	33.7	33.7	34.3	35.0

Maximum UGR = 35.6

POLAR GRAPH



- Maximum Candela = 9232 Located At Horizontal Angle = 90, Vertical Angle = 15.5
- # 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
 - # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
 - # 3 - Vertical Plane Through Horizontal Angles (0 - 180)
 - # 4 - Horizontal Cone Through Vertical Angle (15.5) (Through Max. Cd.)