



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-8-835-U10-SM-CA-N.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 14298494.06\_modified to 8ft length  
 [TESTLAB] UL LLC  
 [ISSUEDATE] 4/29/2022  
 [MANUFAC] Lux Dynamics  
 [LUMCAT] HIGH-8-835-U10-SM-CA-N  
 [LUMINAIRE] HIGH Line LED Fixture, 8' Length, 3500K, Narrow Optic Refletors,  
 [MORE] Clear Acrylic 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	31117
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	213.744
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.32
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	63011	51984	46535
55	54306	42928	38318
65	40893	35193	30717
75	25672	24530	19297
85	11982	11849	8714

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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>
<b>0.0</b>	11834.0	11834.0	11834.0	11834.0	11834.0
<b>0.5</b>	11768.0	11842.0	11838.0	11820.0	11904.0
<b>1.0</b>	11766.0	11838.0	11838.0	11818.0	11902.0
<b>1.5</b>	11768.0	11838.0	11838.0	11820.0	11900.0
<b>2.0</b>	11762.0	11834.0	11834.0	11820.0	11900.0
<b>2.5</b>	11758.0	11828.0	11832.0	11824.0	11906.0
<b>3.0</b>	11752.0	11822.0	11828.0	11820.0	11906.0
<b>3.5</b>	11738.0	11816.0	11824.0	11818.0	11898.0
<b>4.0</b>	11726.0	11806.0	11818.0	11806.0	11894.0
<b>4.5</b>	11718.0	11800.0	11806.0	11800.0	11884.0
<b>5.0</b>	11708.0	11788.0	11794.0	11790.0	11880.0
<b>5.5</b>	11694.0	11776.0	11778.0	11784.0	11878.0
<b>6.0</b>	11682.0	11764.0	11764.0	11776.0	11878.0
<b>6.5</b>	11664.0	11750.0	11748.0	11778.0	11880.0
<b>7.0</b>	11646.0	11734.0	11734.0	11776.0	11884.0
<b>7.5</b>	11624.0	11714.0	11724.0	11778.0	11886.0
<b>8.0</b>	11604.0	11692.0	11710.0	11778.0	11880.0
<b>8.5</b>	11580.0	11668.0	11704.0	11776.0	11882.0
<b>9.0</b>	11558.0	11644.0	11698.0	11768.0	11870.0
<b>9.5</b>	11530.0	11618.0	11688.0	11760.0	11856.0
<b>10.0</b>	11502.0	11590.0	11680.0	11750.0	11840.0
<b>10.5</b>	11476.0	11560.0	11670.0	11732.0	11828.0
<b>11.0</b>	11446.0	11530.0	11660.0	11714.0	11818.0
<b>11.5</b>	11416.0	11500.0	11644.0	11698.0	11808.0
<b>12.0</b>	11384.0	11470.0	11628.0	11688.0	11800.0
<b>12.5</b>	11348.0	11440.0	11608.0	11676.0	11790.0
<b>13.0</b>	11314.0	11406.0	11586.0	11662.0	11776.0
<b>13.5</b>	11276.0	11378.0	11568.0	11650.0	11758.0
<b>14.0</b>	11240.0	11346.0	11540.0	11632.0	11746.0
<b>14.5</b>	11198.0	11316.0	11516.0	11612.0	11722.0
<b>15.0</b>	11160.0	11282.0	11488.0	11592.0	11704.0
<b>15.5</b>	11118.0	11252.0	11460.0	11570.0	11678.0
<b>16.0</b>	11076.0	11218.0	11432.0	11544.0	11656.0
<b>16.5</b>	11030.0	11186.0	11406.0	11520.0	11624.0
<b>17.0</b>	10984.0	11152.0	11378.0	11492.0	11580.0
<b>17.5</b>	10940.0	11118.0	11344.0	11456.0	11536.0
<b>18.0</b>	10888.0	11084.0	11308.0	11414.0	11486.0
<b>18.5</b>	10838.0	11044.0	11276.0	11372.0	11430.0
<b>19.0</b>	10788.0	11006.0	11238.0	11324.0	11368.0
<b>19.5</b>	10738.0	10970.0	11198.0	11268.0	11298.0
<b>20.0</b>	10682.0	10932.0	11160.0	11208.0	11224.0
<b>20.5</b>	10628.0	10888.0	11120.0	11144.0	11142.0
<b>21.0</b>	10568.0	10844.0	11080.0	11072.0	11056.0
<b>21.5</b>	10510.0	10804.0	11038.0	10998.0	10970.0
<b>22.0</b>	10466.0	10756.0	10996.0	10918.0	10882.0
<b>22.5</b>	10408.0	10710.0	10950.0	10834.0	10800.0
<b>23.0</b>	10346.0	10660.0	10904.0	10748.0	10722.0
<b>23.5</b>	10276.0	10608.0	10850.0	10666.0	10638.0
<b>24.0</b>	10208.0	10552.0	10800.0	10584.0	10554.0
<b>24.5</b>	10144.0	10496.0	10738.0	10502.0	10458.0
<b>25.0</b>	10072.0	10438.0	10680.0	10420.0	10360.0
<b>25.5</b>	10000.0	10376.0	10616.0	10338.0	10254.0
<b>26.0</b>	9932.0	10312.0	10548.0	10250.0	10138.0
<b>26.5</b>	9870.0	10248.0	10476.0	10156.0	10030.0

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**CANDELA TABULATION - (Cont.)**

27.0	9790.0	10186.0	10400.0	10060.0	9912.0
27.5	9720.0	10116.0	10322.0	9960.0	9794.0
28.0	9648.0	10050.0	10244.0	9858.0	9676.0
28.5	9576.0	9982.0	10156.0	9750.0	9556.0
29.0	9506.0	9908.0	10072.0	9642.0	9440.0
29.5	9430.0	9836.0	9982.0	9530.0	9328.0
30.0	9356.0	9766.0	9896.0	9420.0	9216.0
30.5	9284.0	9696.0	9806.0	9308.0	9114.0
31.0	9206.0	9622.0	9720.0	9198.0	9010.0
31.5	9130.0	9548.0	9632.0	9090.0	8914.0
32.0	9052.0	9472.0	9548.0	8986.0	8814.0
32.5	8974.0	9400.0	9462.0	8882.0	8722.0
33.0	8892.0	9324.0	9372.0	8780.0	8630.0
33.5	8806.0	9250.0	9284.0	8680.0	8536.0
34.0	8720.0	9174.0	9192.0	8582.0	8446.0
34.5	8632.0	9094.0	9100.0	8486.0	8364.0
35.0	8542.0	9016.0	9000.0	8390.0	8274.0
35.5	8452.0	8934.0	8908.0	8298.0	8192.0
36.0	8364.0	8854.0	8812.0	8206.0	8110.0
36.5	8280.0	8772.0	8712.0	8116.0	8028.0
37.0	8186.0	8692.0	8612.0	8028.0	7946.0
37.5	8096.0	8610.0	8514.0	7936.0	7866.0
38.0	8004.0	8526.0	8414.0	7848.0	7782.0
38.5	7910.0	8442.0	8318.0	7762.0	7702.0
39.0	7822.0	8356.0	8218.0	7674.0	7628.0
39.5	7726.0	8268.0	8118.0	7588.0	7554.0
40.0	7634.0	8180.0	8020.0	7502.0	7480.0
40.5	7538.0	8094.0	7918.0	7420.0	7412.0
41.0	7446.0	8004.0	7818.0	7338.0	7346.0
41.5	7352.0	7914.0	7718.0	7258.0	7280.0
42.0	7258.0	7824.0	7620.0	7180.0	7218.0
42.5	7158.0	7736.0	7520.0	7106.0	7154.0
43.0	7066.0	7642.0	7420.0	7032.0	7090.0
43.5	6968.0	7550.0	7326.0	6962.0	7026.0
44.0	6874.0	7454.0	7224.0	6892.0	6964.0
44.5	6772.0	7362.0	7126.0	6822.0	6892.0
45.0	6678.0	7264.0	7030.0	6758.0	6826.0
45.5	6576.0	7166.0	6930.0	6686.0	6762.0
46.0	6480.0	7070.0	6832.0	6624.0	6692.0
46.5	6390.0	6974.0	6740.0	6556.0	6624.0
47.0	6296.0	6868.0	6638.0	6488.0	6546.0
47.5	6192.0	6770.0	6540.0	6424.0	6468.0
48.0	6080.0	6664.0	6442.0	6360.0	6398.0
48.5	5994.0	6564.0	6346.0	6288.0	6316.0
49.0	5904.0	6466.0	6250.0	6224.0	6232.0
49.5	5794.0	6362.0	6158.0	6152.0	6130.0
50.0	5688.0	6258.0	6058.0	6082.0	6048.0
50.5	5580.0	6160.0	5970.0	6010.0	5958.0
51.0	5498.0	6056.0	5860.0	5928.0	5860.0
51.5	5392.0	5952.0	5772.0	5852.0	5780.0
52.0	5292.0	5842.0	5684.0	5772.0	5676.0
52.5	5188.0	5754.0	5592.0	5682.0	5572.0
53.0	5076.0	5642.0	5506.0	5586.0	5468.0
53.5	4970.0	5546.0	5426.0	5500.0	5362.0
54.0	4878.0	5446.0	5330.0	5408.0	5296.0
54.5	4776.0	5342.0	5246.0	5300.0	5214.0

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**CANDELA TABULATION - (Cont.)**

55.0	4690.0	5224.0	5162.0	5200.0	5116.0
55.5	4580.0	5120.0	5080.0	5112.0	5030.0
56.0	4466.0	5008.0	4994.0	5020.0	4954.0
56.5	4372.0	4924.0	4914.0	4922.0	4880.0
57.0	4268.0	4816.0	4844.0	4836.0	4824.0
57.5	4160.0	4704.0	4768.0	4750.0	4728.0
58.0	4054.0	4604.0	4688.0	4664.0	4666.0
58.5	3950.0	4504.0	4610.0	4582.0	4604.0
59.0	3844.0	4404.0	4534.0	4500.0	4528.0
59.5	3742.0	4296.0	4458.0	4418.0	4468.0
60.0	3634.0	4198.0	4382.0	4342.0	4392.0
60.5	3532.0	4094.0	4300.0	4268.0	4324.0
61.0	3430.0	3994.0	4224.0	4190.0	4248.0
61.5	3324.0	3892.0	4144.0	4114.0	4166.0
62.0	3220.0	3796.0	4064.0	4040.0	4092.0
62.5	3118.0	3692.0	3986.0	3970.0	4014.0
63.0	3018.0	3594.0	3902.0	3896.0	3928.0
63.5	2916.0	3496.0	3822.0	3820.0	3840.0
64.0	2818.0	3398.0	3738.0	3744.0	3750.0
64.5	2722.0	3304.0	3656.0	3666.0	3660.0
65.0	2622.0	3206.0	3576.0	3592.0	3572.0
65.5	2530.0	3114.0	3490.0	3512.0	3478.0
66.0	2436.0	3022.0	3410.0	3432.0	3386.0
66.5	2340.0	2928.0	3324.0	3356.0	3290.0
67.0	2250.0	2834.0	3244.0	3270.0	3196.0
67.5	2162.0	2746.0	3156.0	3186.0	3106.0
68.0	2072.0	2656.0	3072.0	3100.0	3012.0
68.5	1984.8	2568.0	2990.0	3018.0	2918.0
69.0	1898.4	2484.0	2910.0	2934.0	2826.0
69.5	1814.0	2400.0	2826.0	2848.0	2740.0
70.0	1731.4	2316.0	2744.0	2760.0	2648.0
70.5	1651.6	2234.0	2660.0	2672.0	2558.0
71.0	1573.2	2152.0	2582.0	2588.0	2472.0
71.5	1497.0	2070.0	2504.0	2502.0	2394.0
72.0	1423.8	1987.8	2422.0	2420.0	2314.0
72.5	1352.6	1907.6	2344.0	2342.0	2234.0
73.0	1283.0	1828.4	2268.0	2260.0	2152.0
73.5	1215.2	1749.0	2192.0	2176.0	2074.0
74.0	1149.0	1672.0	2114.0	2094.0	1995.2
74.5	1085.6	1596.4	2036.0	2014.0	1917.8
75.0	1025.0	1522.0	1959.6	1934.6	1843.4
75.5	966.6	1448.4	1884.2	1857.2	1770.0
76.0	909.4	1377.0	1809.8	1780.8	1697.4
76.5	854.0	1307.0	1736.6	1706.0	1625.6
77.0	800.6	1238.0	1663.4	1633.0	1555.4
77.5	749.0	1170.8	1591.4	1561.0	1486.4
78.0	699.4	1104.8	1521.2	1491.4	1418.8
78.5	651.6	1041.4	1451.4	1423.8	1353.4
79.0	605.6	979.8	1383.2	1356.8	1289.0
79.5	561.2	919.0	1316.2	1290.8	1225.2
80.0	518.0	860.2	1249.6	1226.0	1163.4
80.5	476.4	803.2	1184.0	1163.0	1102.8
81.0	436.6	748.0	1120.0	1100.4	1043.2
81.5	398.0	694.6	1056.8	1040.0	985.0
82.0	361.6	642.8	995.0	980.4	928.8
82.5	326.4	593.0	934.6	923.0	874.4

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**CANDELA TABULATION - (Cont.)**

<b>83.0</b>	292.8	545.0	875.8	867.6	820.8
<b>83.5</b>	260.4	499.2	819.0	813.6	769.4
<b>84.0</b>	230.2	455.6	764.0	762.4	719.8
<b>84.5</b>	201.4	413.8	711.0	712.0	671.8
<b>85.0</b>	174.0	373.8	660.4	664.0	626.2
<b>85.5</b>	148.6	336.6	611.8	618.8	582.6
<b>86.0</b>	125.0	301.8	564.8	574.8	541.0
<b>86.5</b>	103.0	269.0	520.2	533.4	501.8
<b>87.0</b>	82.8	239.0	478.0	495.0	465.4
<b>87.5</b>	65.6	211.8	439.8	459.8	431.2
<b>88.0</b>	50.6	187.6	405.0	428.0	401.0
<b>88.5</b>	38.0	166.4	374.0	399.2	373.0
<b>89.0</b>	27.4	148.8	347.0	373.2	347.6
<b>89.5</b>	19.6	135.0	323.8	349.8	325.0
<b>90.0</b>	15.2	124.2	303.0	328.4	304.8
<b>90.5</b>	9.4	116.2	285.8	310.6	287.6
<b>91.0</b>	6.4	110.0	271.4	294.8	272.2
<b>91.5</b>	6.0	105.0	259.8	281.0	259.2
<b>92.0</b>	5.8	100.8	250.0	269.2	247.8
<b>92.5</b>	5.8	96.8	241.4	259.6	238.4
<b>93.0</b>	5.8	93.2	233.2	251.4	230.4
<b>93.5</b>	5.8	90.0	225.2	243.6	223.4
<b>94.0</b>	6.0	87.2	217.8	236.4	216.6
<b>94.5</b>	6.0	84.6	210.8	229.6	210.4
<b>95.0</b>	6.4	82.4	204.0	223.2	204.2
<b>95.5</b>	6.2	80.6	197.8	216.8	198.6
<b>96.0</b>	6.2	78.8	191.6	211.0	193.2
<b>96.5</b>	6.4	77.4	186.0	205.2	188.2
<b>97.0</b>	6.4	76.4	180.8	199.8	183.2
<b>97.5</b>	6.6	75.4	176.0	194.6	178.6
<b>98.0</b>	6.8	74.8	171.4	189.8	174.2
<b>98.5</b>	7.2	74.6	167.0	185.2	169.8
<b>99.0</b>	7.4	74.8	163.0	180.8	165.6
<b>99.5</b>	7.6	75.2	159.4	176.6	161.8
<b>100.0</b>	7.8	76.0	156.0	172.6	158.0
<b>100.5</b>	8.0	77.4	153.0	168.8	154.6
<b>101.0</b>	8.2	79.0	150.0	165.2	151.2
<b>101.5</b>	8.4	81.0	147.6	162.0	148.0
<b>102.0</b>	8.8	83.2	145.2	158.8	145.0
<b>102.5</b>	9.2	85.6	143.0	155.8	142.2
<b>103.0</b>	9.8	88.4	141.0	153.0	139.4
<b>103.5</b>	10.4	91.0	139.4	150.4	137.0
<b>104.0</b>	10.8	94.0	138.0	148.0	134.6
<b>104.5</b>	11.2	97.0	136.6	145.6	132.2
<b>105.0</b>	11.6	100.0	135.6	143.2	130.2
<b>105.5</b>	11.8	103.0	134.8	141.2	128.2
<b>106.0</b>	12.2	105.8	134.0	139.2	126.4
<b>106.5</b>	12.6	108.6	133.6	137.6	124.4
<b>107.0</b>	12.8	111.4	133.2	135.8	122.6
<b>107.5</b>	13.2	114.0	133.2	134.4	121.0
<b>108.0</b>	13.4	116.4	133.2	133.2	119.4
<b>108.5</b>	13.8	118.6	133.6	132.0	118.0
<b>109.0</b>	14.0	120.8	134.4	131.2	116.8
<b>109.5</b>	14.4	122.8	135.4	130.2	115.8
<b>110.0</b>	14.6	124.6	136.6	129.6	114.8
<b>110.5</b>	14.8	126.2	138.0	129.0	113.6

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**CANDELA TABULATION - (Cont.)**

111.0	15.0	127.8	140.0	128.6	112.8
111.5	15.2	129.0	142.0	128.4	112.0
112.0	15.6	130.2	144.6	128.2	111.6
112.5	16.0	131.2	147.6	128.2	111.0
113.0	16.4	132.0	151.0	128.2	110.8
113.5	16.6	132.0	154.4	128.4	110.6
114.0	17.2	132.2	158.4	129.0	110.6
114.5	17.4	133.4	162.4	129.6	110.8
115.0	17.6	134.4	166.8	130.4	111.2
115.5	17.6	135.4	171.6	131.4	111.8
116.0	17.8	136.0	176.4	132.6	112.8
116.5	17.8	136.2	181.6	134.2	113.6
117.0	17.6	136.4	187.0	136.2	115.0
117.5	17.6	136.4	192.0	138.4	116.4
118.0	17.6	136.0	196.8	141.0	118.0
118.5	17.8	135.8	201.2	143.6	120.0
119.0	17.8	135.2	205.4	146.6	122.6
119.5	18.0	134.6	208.8	149.6	125.2
120.0	18.2	133.8	211.6	153.0	128.0
120.5	18.4	132.8	214.2	156.6	131.2
121.0	18.6	131.2	216.4	160.6	134.2
121.5	18.8	129.2	218.4	165.0	137.6
122.0	19.0	127.8	219.8	170.0	141.2
122.5	19.4	126.2	221.2	175.2	145.2
123.0	19.6	124.4	222.2	180.6	149.4
123.5	20.0	121.4	222.6	186.2	153.8
124.0	20.2	118.2	222.0	191.6	159.0
124.5	20.4	115.2	221.6	196.8	164.2
125.0	20.8	112.8	221.4	201.4	169.8
125.5	21.0	110.6	221.6	205.6	175.6
126.0	21.4	108.6	222.0	209.2	181.4
126.5	21.6	106.4	222.2	212.4	186.8
127.0	21.8	103.6	221.8	215.0	192.0
127.5	22.2	100.8	221.8	217.0	196.4
128.0	22.2	98.0	221.4	219.0	200.2
128.5	22.6	95.2	221.0	220.6	203.6
129.0	22.8	92.8	220.6	222.0	206.6
129.5	23.0	90.2	219.4	223.2	209.2
130.0	23.4	87.8	217.8	224.4	211.4
130.5	23.6	85.2	216.4	225.2	213.4
131.0	23.8	82.8	215.0	226.0	215.2
131.5	24.0	80.4	213.2	226.6	217.0
132.0	24.4	78.2	210.8	227.2	218.4
132.5	24.6	76.2	208.4	227.6	220.0
133.0	25.0	74.2	206.0	227.8	221.0
133.5	25.2	72.4	203.6	227.0	222.0
134.0	25.4	70.8	201.4	226.0	223.2
134.5	25.8	69.4	199.2	225.6	224.0
135.0	26.0	68.0	197.0	225.6	224.8
135.5	26.2	66.6	194.6	226.0	225.2
136.0	26.6	65.4	192.2	226.2	225.6
136.5	26.8	64.2	189.4	226.4	226.2
137.0	27.2	63.2	186.2	226.6	226.8
137.5	27.4	62.2	182.6	226.4	226.8
138.0	27.8	61.4	179.2	226.6	227.8
138.5	28.0	60.6	175.8	226.2	228.4

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-8-835-U10-SM-CA-N.IES**

**CANDELA TABULATION - (Cont.)**

139.0	28.2	60.0	172.6	226.0	228.6
139.5	28.4	59.4	169.0	225.4	229.2
140.0	28.8	58.6	165.2	224.4	229.4
140.5	29.0	58.0	160.8	223.6	229.8
141.0	29.2	57.2	156.4	222.2	229.0
141.5	29.4	56.4	152.2	221.0	228.8
142.0	30.0	56.2	148.4	219.4	228.4
142.5	30.6	55.8	144.8	217.8	228.0
143.0	30.8	55.4	140.8	215.8	226.2
143.5	31.2	55.0	136.2	213.0	223.4
144.0	31.4	54.6	131.4	210.2	220.8
144.5	31.6	54.2	126.8	207.0	218.2
145.0	31.8	53.8	122.2	203.8	215.8
145.5	32.2	53.4	117.6	200.0	214.0
146.0	32.2	53.0	113.4	195.6	212.2
146.5	32.4	52.6	109.4	190.6	210.2
147.0	32.6	52.2	105.4	184.8	207.2
147.5	32.8	51.8	101.6	179.0	203.8
148.0	33.0	51.4	98.0	173.2	199.8
148.5	33.2	51.0	94.4	167.4	195.4
149.0	33.4	50.6	91.0	161.6	190.4
149.5	33.6	50.2	87.6	155.4	185.0
150.0	33.8	49.6	84.8	148.6	179.6
150.5	34.0	49.2	82.4	142.0	173.8
151.0	34.2	48.8	80.2	135.6	168.0
151.5	34.6	48.2	78.0	129.4	161.8
152.0	34.8	47.8	75.8	123.4	155.4
152.5	35.0	47.2	74.0	118.0	148.8
153.0	35.4	46.8	72.6	112.8	142.2
153.5	35.6	46.4	71.0	107.6	136.0
154.0	35.8	46.0	69.2	103.2	130.0
154.5	36.0	45.8	67.8	98.8	124.0
155.0	36.2	45.4	66.2	94.6	118.2
155.5	36.4	45.0	64.8	90.6	112.6
156.0	36.6	44.6	63.4	87.0	107.6
156.5	36.8	44.2	62.2	83.6	102.8
157.0	37.0	43.8	61.0	80.4	98.2
157.5	37.2	43.4	59.8	77.2	94.0
158.0	37.4	43.0	58.6	74.2	90.2
158.5	37.6	42.6	57.6	71.4	86.8
159.0	37.8	42.4	56.6	69.0	83.4
159.5	37.8	42.0	55.6	66.6	80.2
160.0	38.0	41.6	54.6	64.6	77.2
160.5	38.2	41.2	53.6	62.8	74.6
161.0	38.2	41.0	52.6	61.2	71.8
161.5	38.2	40.6	51.8	59.8	69.4
162.0	38.4	40.2	51.0	58.4	67.0
162.5	38.6	40.0	50.0	57.0	65.2
163.0	38.6	39.8	49.2	55.6	63.4
163.5	38.6	39.8	48.4	54.2	62.0
164.0	38.8	39.8	47.8	53.2	60.4
164.5	38.8	39.8	47.0	52.0	58.8
165.0	38.8	40.0	46.4	51.2	57.2
165.5	39.0	40.2	45.8	50.0	55.8
166.0	39.0	40.4	45.2	49.0	54.6
166.5	39.2	40.6	44.6	48.0	53.4

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-8-835-U10-SM-CA-N.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.0</b>	39.2	40.6	43.8	47.0	52.2
<b>167.5</b>	39.2	40.4	43.2	46.0	51.2
<b>168.0</b>	39.2	40.4	42.6	45.0	50.2
<b>168.5</b>	39.2	40.2	42.0	44.4	49.0
<b>169.0</b>	39.2	40.2	41.4	43.4	48.2
<b>169.5</b>	39.2	40.2	40.8	42.6	47.2
<b>170.0</b>	39.4	40.0	40.4	42.0	45.8
<b>170.5</b>	39.4	40.0	40.0	41.2	43.8
<b>171.0</b>	39.2	39.8	39.8	40.4	41.6
<b>171.5</b>	39.4	39.8	39.8	39.6	39.4
<b>172.0</b>	39.4	39.8	40.0	38.8	38.4
<b>172.5</b>	39.4	39.6	40.0	38.0	36.6
<b>173.0</b>	39.4	39.6	40.0	37.6	34.8
<b>173.5</b>	39.6	39.8	39.8	37.8	34.2
<b>174.0</b>	39.6	39.8	39.8	38.0	34.2
<b>174.5</b>	39.8	39.8	39.6	38.2	35.0
<b>175.0</b>	40.0	40.0	39.6	38.2	35.4
<b>175.5</b>	40.0	40.0	39.6	38.2	35.2
<b>176.0</b>	40.2	40.2	39.6	38.0	35.2
<b>176.5</b>	40.2	40.2	39.8	38.0	35.0
<b>177.0</b>	40.4	40.2	39.8	38.0	35.0
<b>177.5</b>	40.4	40.2	39.8	38.0	35.0
<b>178.0</b>	40.4	40.4	40.0	38.0	34.8
<b>178.5</b>	40.6	40.4	40.0	37.8	35.0
<b>179.0</b>	40.4	40.4	40.0	38.0	34.8
<b>179.5</b>	40.4	40.4	39.8	37.8	34.8
<b>180.0</b>	39.0	39.0	39.0	39.0	39.0



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-8-835-U10-SM-CA-N.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4350.9	N.A.	14.00
0-30	9142.84	N.A.	29.40
0-40	14587.4	N.A.	46.90
0-60	24538.18	N.A.	78.90
0-80	29696.13	N.A.	95.40
0-90	30307.56	N.A.	97.40
10-90	29185.62	N.A.	93.80
20-40	10236.5	N.A.	32.90
20-50	15597.18	N.A.	50.10
40-70	13281.21	N.A.	42.70
60-80	5157.95	N.A.	16.60
70-80	1827.52	N.A.	5.90
80-90	611.43	N.A.	2.00
90-110	295.07	N.A.	0.90
90-120	419.66	N.A.	1.30
90-130	559.54	N.A.	1.80
90-150	757.62	N.A.	2.40
90-180	809.08	N.A.	2.60
110-180	514.01	N.A.	1.70
0-180	31116.64	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1121.93
10-20	3228.96
20-30	4791.94
30-40	5444.56
40-50	5360.68
50-60	4590.1
60-70	3330.43
70-80	1827.52
80-90	611.43
90-100	174.30
100-110	120.77
110-120	124.58
120-130	139.88
130-140	119.41
140-150	78.67
150-160	34.23
160-170	13.48
170-180	3.75

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-8-835-U10-SM-CA-N.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
0	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	97
1	108	104	100	96	105	101	98	94	97	93	91	92	90	87	88	86	84	82
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	78	74	71	69
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59
4	83	71	63	56	81	70	62	56	67	60	55	64	59	54	62	57	53	51
5	77	64	55	49	74	63	54	48	60	53	48	58	52	47	56	51	46	44
6	71	58	49	43	69	57	48	42	55	47	42	53	46	41	51	45	41	39
7	66	53	44	38	64	52	43	38	50	43	37	48	42	37	47	41	36	34
8	61	48	40	34	60	47	39	34	46	39	33	44	38	33	43	37	33	31
9	57	44	36	31	56	43	36	30	42	35	30	41	34	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

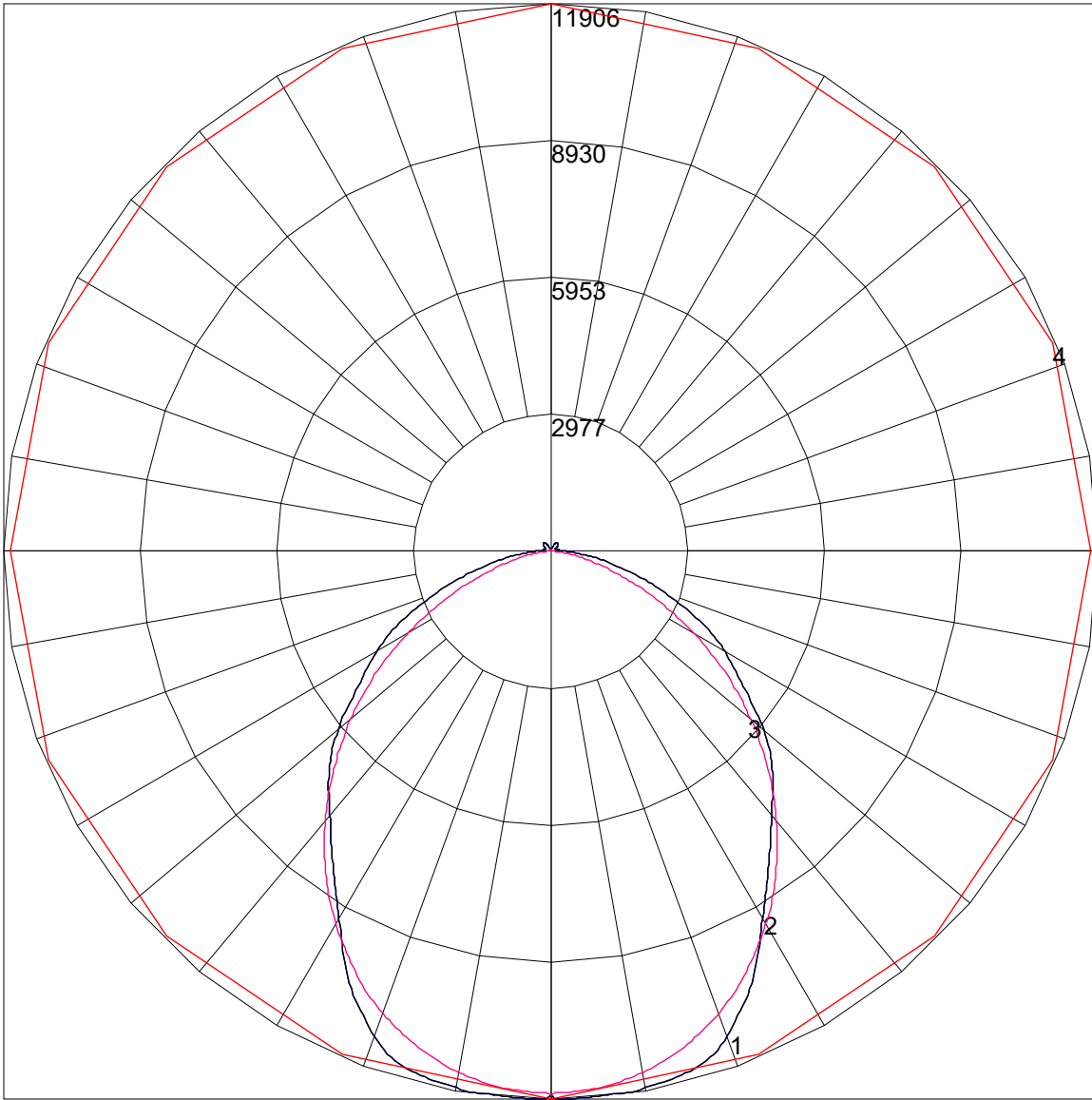
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-8-835-U10-SM-CA-N.IES**

**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	24.1	25.7	24.5	26.0	26.4	25.3	26.8	25.7	27.2	27.6
	3H	25.1	26.5	25.5	26.9	27.3	27.1	28.5	27.6	28.9	29.3
	4H	25.3	26.6	25.8	27.1	27.5	27.8	29.1	28.2	29.5	29.9
	6H	25.4	26.6	25.9	27.1	27.5	28.3	29.5	28.7	29.9	30.4
	8H	25.4	26.6	25.9	27.0	27.5	28.4	29.6	28.9	30.0	30.5
	12H	25.4	26.5	25.9	27.0	27.5	28.6	29.7	29.1	30.1	30.6
4H	2H	24.8	26.1	25.3	26.5	27.0	25.8	27.1	26.2	27.5	27.9
	3H	26.1	27.1	26.5	27.6	28.1	27.8	28.9	28.2	29.3	29.8
	4H	26.4	27.4	26.9	27.8	28.4	28.5	29.5	29.0	30.0	30.5
	6H	26.6	27.4	27.1	27.9	28.4	29.1	30.0	29.6	30.5	31.0
	8H	26.6	27.4	27.1	27.9	28.4	29.4	30.1	29.9	30.6	31.2
	12H	26.6	27.3	27.1	27.8	28.4	29.6	30.3	30.1	30.8	31.3
8H	4H	26.8	27.6	27.3	28.1	28.6	28.7	29.5	29.2	30.0	30.5
	6H	27.0	27.7	27.6	28.2	28.8	29.4	30.0	29.9	30.6	31.1
	8H	27.1	27.7	27.6	28.2	28.8	29.6	30.2	30.2	30.8	31.4
	12H	27.1	27.6	27.7	28.2	28.8	29.9	30.4	30.5	31.0	31.6
12H	4H	26.8	27.5	27.4	28.1	28.6	28.7	29.4	29.2	29.9	30.5
	6H	27.1	27.7	27.7	28.2	28.8	29.4	30.0	29.9	30.5	31.1
	8H	27.2	27.7	27.8	28.3	28.9	29.7	30.2	30.3	30.8	31.4

Maximum UGR = 31.6

POLAR GRAPH



Maximum Candela = 11906 Located At Horizontal Angle = 90, Vertical Angle = 2.5  
# 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 (2.5) (Through Max. Cd.)