



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-4-835-U10-SM-CA.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 14298494.04  
 [TESTLAB] UL LLC  
 [ISSUEDATE] 4/29/2022  
 [MANUFAC] Lux Dynamics  
 [LUMCAT] HIGH-4-835-U10-SM-CA  
 [LUMINAIRE] HIGH Line LED Fixture, 4' Length, 3500K, Clear Acrylic Lens  
 [LAMP] White LED array  
 [BALLAST] Two (2) OSRAM OPTOTRONIC OTi 85/120-277/2A3 DIM L HB  
 [OTHER] 25.1 C, 277.205 V, 0.405436 A, 107.131 W, 0.953216 PF, 59.9998  
 [MORE] Hz  
 [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	16619
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	107.131
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.83 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	59617	49061	48131
55	50367	42961	48115
65	37149	42985	46213
75	21534	38058	33393
85	9466	30557	23427

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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>	4965.0	4965.0	4965.0	4965.0	4965.0
<b>0.5</b>	4923.0	4965.0	4968.0	4966.0	4998.0
<b>1.0</b>	4923.0	4966.0	4969.0	4970.0	5004.0
<b>1.5</b>	4920.0	4966.0	4973.0	4976.0	5012.0
<b>2.0</b>	4920.0	4965.0	4977.0	4985.0	5022.0
<b>2.5</b>	4919.0	4965.0	4982.0	4993.0	5030.0
<b>3.0</b>	4916.0	4966.0	4987.0	5001.0	5040.0
<b>3.5</b>	4913.0	4966.0	4992.0	5008.0	5043.0
<b>4.0</b>	4909.0	4967.0	4999.0	5012.0	5047.0
<b>4.5</b>	4904.0	4967.0	5001.0	5015.0	5053.0
<b>5.0</b>	4901.0	4968.0	5005.0	5025.0	5069.0
<b>5.5</b>	4897.0	4968.0	5008.0	5037.0	5086.0
<b>6.0</b>	4893.0	4969.0	5012.0	5054.0	5106.0
<b>6.5</b>	4888.0	4969.0	5016.0	5071.0	5128.0
<b>7.0</b>	4883.0	4968.0	5023.0	5090.0	5146.0
<b>7.5</b>	4879.0	4967.0	5033.0	5105.0	5161.0
<b>8.0</b>	4872.0	4966.0	5043.0	5120.0	5173.0
<b>8.5</b>	4866.0	4963.0	5052.0	5127.0	5179.0
<b>9.0</b>	4859.0	4960.0	5063.0	5132.0	5180.0
<b>9.5</b>	4855.0	4957.0	5070.0	5135.0	5181.0
<b>10.0</b>	4848.0	4955.0	5076.0	5131.0	5176.0
<b>10.5</b>	4840.0	4950.0	5080.0	5127.0	5167.0
<b>11.0</b>	4830.0	4948.0	5082.0	5121.0	5151.0
<b>11.5</b>	4825.0	4944.0	5081.0	5108.0	5135.0
<b>12.0</b>	4814.0	4942.0	5077.0	5094.0	5120.0
<b>12.5</b>	4806.0	4939.0	5072.0	5077.0	5102.0
<b>13.0</b>	4796.0	4935.0	5064.0	5060.0	5087.0
<b>13.5</b>	4786.0	4934.0	5052.0	5043.0	5070.0
<b>14.0</b>	4778.0	4929.0	5041.0	5026.0	5054.0
<b>14.5</b>	4768.0	4925.0	5027.0	5008.0	5041.0
<b>15.0</b>	4759.0	4920.0	5011.0	4989.0	5034.0
<b>15.5</b>	4746.0	4915.0	4992.0	4975.0	5027.0
<b>16.0</b>	4736.0	4908.0	4972.0	4964.0	5025.0
<b>16.5</b>	4723.0	4901.0	4950.0	4953.0	5020.0
<b>17.0</b>	4713.0	4892.0	4929.0	4947.0	5018.0
<b>17.5</b>	4702.0	4882.0	4907.0	4940.0	5009.0
<b>18.0</b>	4690.0	4869.0	4884.0	4933.0	5000.0
<b>18.5</b>	4676.0	4856.0	4862.0	4922.0	4988.0
<b>19.0</b>	4665.0	4843.0	4843.0	4910.0	4974.0
<b>19.5</b>	4652.0	4829.0	4820.0	4898.0	4958.0
<b>20.0</b>	4639.0	4812.0	4802.0	4884.0	4938.0
<b>20.5</b>	4625.0	4796.0	4785.0	4869.0	4917.0
<b>21.0</b>	4611.0	4775.0	4768.0	4851.0	4888.0
<b>21.5</b>	4596.0	4756.0	4750.0	4832.0	4858.0
<b>22.0</b>	4579.0	4734.0	4733.0	4806.0	4832.0
<b>22.5</b>	4561.0	4712.0	4717.0	4779.0	4806.0
<b>23.0</b>	4546.0	4688.0	4700.0	4750.0	4785.0
<b>23.5</b>	4528.0	4663.0	4682.0	4720.0	4767.0
<b>24.0</b>	4511.0	4636.0	4660.0	4693.0	4743.0
<b>24.5</b>	4495.0	4607.0	4641.0	4671.0	4720.0
<b>25.0</b>	4475.0	4580.0	4619.0	4650.0	4690.0
<b>25.5</b>	4457.0	4549.0	4596.0	4626.0	4662.0
<b>26.0</b>	4438.0	4519.0	4572.0	4602.0	4630.0
<b>26.5</b>	4419.0	4486.0	4548.0	4576.0	4597.0

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**CANDELA TABULATION - (Cont.)**

27.0	4398.0	4454.0	4523.0	4548.0	4565.0
27.5	4379.0	4421.0	4494.0	4520.0	4531.0
28.0	4358.0	4385.0	4463.0	4490.0	4494.0
28.5	4336.0	4350.0	4431.0	4461.0	4458.0
29.0	4315.0	4315.0	4398.0	4430.0	4423.0
29.5	4291.0	4281.0	4362.0	4396.0	4392.0
30.0	4269.0	4247.0	4327.0	4361.0	4365.0
30.5	4243.0	4211.0	4294.0	4327.0	4336.0
31.0	4219.0	4178.0	4262.0	4294.0	4309.0
31.5	4190.0	4144.0	4234.0	4262.0	4284.0
32.0	4167.0	4109.0	4203.0	4232.0	4261.0
32.5	4138.0	4078.0	4174.0	4205.0	4238.0
33.0	4109.0	4044.0	4142.0	4177.0	4220.0
33.5	4082.0	4010.0	4114.0	4148.0	4199.0
34.0	4055.0	3975.0	4084.0	4119.0	4182.0
34.5	4023.0	3944.0	4053.0	4090.0	4163.0
35.0	3992.0	3907.0	4023.0	4066.0	4139.0
35.5	3960.0	3875.0	3993.0	4041.0	4118.0
36.0	3926.0	3840.0	3960.0	4017.0	4091.0
36.5	3896.0	3798.0	3929.0	3993.0	4059.0
37.0	3861.0	3763.0	3901.0	3968.0	4024.0
37.5	3828.0	3727.0	3866.0	3941.0	3987.0
38.0	3793.0	3690.0	3831.0	3914.0	3946.0
38.5	3755.0	3649.0	3799.0	3882.0	3907.0
39.0	3706.0	3615.0	3768.0	3849.0	3869.0
39.5	3681.0	3580.0	3735.0	3810.0	3832.0
40.0	3642.0	3535.0	3694.0	3770.0	3798.0
40.5	3603.0	3498.0	3666.0	3731.0	3766.0
41.0	3552.0	3452.0	3631.0	3690.0	3730.0
41.5	3507.0	3422.0	3588.0	3653.0	3704.0
42.0	3472.0	3374.0	3554.0	3613.0	3669.0
42.5	3437.0	3342.0	3524.0	3582.0	3634.0
43.0	3381.0	3296.0	3482.0	3545.0	3601.0
43.5	3329.0	3255.0	3446.0	3518.0	3579.0
44.0	3292.0	3211.0	3408.0	3484.0	3561.0
44.5	3243.0	3169.0	3368.0	3441.0	3543.0
45.0	3193.0	3122.0	3337.0	3417.0	3530.0
45.5	3154.0	3082.0	3305.0	3391.0	3517.0
46.0	3098.0	3041.0	3261.0	3355.0	3511.0
46.5	3055.0	3002.0	3225.0	3333.0	3513.0
47.0	3004.0	2958.0	3181.0	3319.0	3517.0
47.5	2956.0	2914.0	3141.0	3309.0	3541.0
48.0	2909.0	2873.0	3097.0	3299.0	3544.0
48.5	2860.0	2829.0	3057.0	3297.0	3560.0
49.0	2811.0	2784.0	3017.0	3294.0	3584.0
49.5	2759.0	2742.0	2976.0	3307.0	3593.0
50.0	2709.0	2700.0	2937.0	3314.0	3581.0
50.5	2661.0	2655.0	2898.0	3322.0	3576.0
51.0	2611.0	2611.0	2859.0	3339.0	3556.0
51.5	2560.0	2568.0	2821.0	3348.0	3518.0
52.0	2510.0	2525.0	2786.0	3343.0	3478.0
52.5	2461.0	2482.0	2750.0	3341.0	3427.0
53.0	2411.0	2440.0	2716.0	3330.0	3390.0
53.5	2361.0	2397.0	2684.0	3299.0	3334.0
54.0	2310.0	2355.0	2655.0	3268.0	3284.0
54.5	2259.0	2311.0	2627.0	3230.0	3240.0

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**CANDELA TABULATION - (Cont.)**

55.0	2208.0	2269.0	2603.0	3186.0	3212.0
55.5	2159.0	2225.0	2583.0	3144.0	3190.0
56.0	2107.0	2182.0	2565.0	3099.0	3171.0
56.5	2055.0	2138.0	2554.0	3062.0	3155.0
57.0	2007.0	2093.0	2542.0	3028.0	3147.0
57.5	1955.0	2050.0	2532.0	2999.0	3128.0
58.0	1904.0	2006.0	2522.0	2971.0	3122.0
58.5	1854.0	1963.0	2511.0	2949.0	3114.0
59.0	1804.0	1921.0	2498.0	2929.0	3097.0
59.5	1755.0	1878.0	2480.0	2910.0	3073.0
60.0	1705.0	1836.0	2460.0	2893.0	3045.0
60.5	1655.0	1795.0	2437.0	2871.0	3018.0
61.0	1603.0	1753.0	2412.0	2850.0	2984.0
61.5	1555.0	1713.0	2385.0	2823.0	2957.0
62.0	1505.0	1673.0	2357.0	2796.0	2928.0
62.5	1458.0	1632.0	2330.0	2767.0	2894.0
63.0	1410.0	1593.0	2303.0	2736.0	2862.0
63.5	1360.0	1556.0	2278.0	2705.0	2826.0
64.0	1311.0	1516.0	2256.0	2674.0	2782.0
64.5	1265.0	1479.0	2230.0	2644.0	2736.0
65.0	1218.0	1442.0	2206.0	2611.0	2687.0
65.5	1173.0	1406.0	2184.0	2577.0	2635.0
66.0	1126.0	1369.0	2159.0	2539.0	2579.0
66.5	1080.0	1334.0	2135.0	2501.0	2520.0
67.0	1035.0	1302.0	2108.0	2457.0	2462.0
67.5	990.2	1269.0	2079.0	2414.0	2405.0
68.0	946.6	1237.0	2049.0	2369.0	2345.0
68.5	903.4	1208.0	2019.0	2323.0	2285.0
69.0	861.5	1179.0	1988.0	2276.0	2226.0
69.5	820.7	1150.0	1954.0	2229.0	2169.0
70.0	781.0	1121.0	1920.0	2179.0	2108.0
70.5	742.4	1092.0	1885.0	2130.0	2052.0
71.0	704.6	1063.0	1848.0	2079.0	1995.0
71.5	667.7	1034.0	1809.0	2027.0	1940.0
72.0	633.1	1005.0	1772.0	1977.0	1885.0
72.5	599.2	976.4	1733.0	1926.0	1833.0
73.0	566.7	947.3	1694.0	1876.0	1783.0
73.5	535.1	918.2	1654.0	1827.0	1735.0
74.0	504.4	889.4	1615.0	1778.0	1687.0
74.5	475.0	860.5	1578.0	1727.0	1640.0
75.0	446.6	831.9	1541.0	1680.0	1595.0
75.5	419.7	802.9	1503.0	1632.0	1552.0
76.0	393.6	774.4	1466.0	1586.0	1508.0
76.5	368.8	745.9	1430.0	1539.0	1467.0
77.0	344.9	718.2	1393.0	1494.0	1427.0
77.5	322.0	690.2	1358.0	1451.0	1383.0
78.0	300.1	662.8	1322.0	1408.0	1345.0
78.5	279.1	635.7	1288.0	1365.0	1305.0
79.0	259.0	609.0	1254.0	1326.0	1265.0
79.5	239.7	582.6	1221.0	1287.0	1227.0
80.0	221.0	556.8	1190.0	1247.0	1194.0
80.5	203.0	530.9	1158.0	1210.0	1158.0
81.0	186.1	506.2	1126.0	1173.0	1119.0
81.5	170.1	481.9	1093.0	1136.0	1083.0
82.0	154.4	458.0	1060.0	1100.0	1048.0
82.5	139.6	435.1	1027.0	1065.0	1012.0

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**CANDELA TABULATION - (Cont.)**

83.0	125.6	412.9	994.7	1031.0	977.0
83.5	112.2	391.7	963.0	996.7	942.6
84.0	99.4	371.2	931.2	962.6	908.0
84.5	87.4	351.8	899.7	929.2	874.6
85.0	76.3	333.3	868.8	897.2	841.8
85.5	65.8	315.5	839.0	865.2	808.7
86.0	56.0	298.7	809.6	834.1	775.9
86.5	47.0	282.6	780.4	803.0	743.5
87.0	38.9	267.4	751.9	772.8	711.9
87.5	31.6	253.4	724.2	743.4	680.6
88.0	25.5	240.6	697.7	715.2	650.1
88.5	20.4	228.7	672.0	687.4	620.0
89.0	16.3	218.1	647.3	660.0	591.3
89.5	12.0	208.6	623.8	633.2	564.2
90.0	6.4	200.4	601.5	607.8	538.1
90.5	5.4	193.1	580.3	583.1	513.4
91.0	5.4	186.6	559.9	559.4	489.9
91.5	5.5	180.8	540.6	537.1	468.8
92.0	5.6	175.7	522.2	516.2	449.2
92.5	5.7	171.3	505.1	496.3	430.9
93.0	5.8	167.3	489.1	477.8	414.1
93.5	6.0	163.7	473.9	460.5	398.8
94.0	6.3	160.4	459.3	444.1	384.7
94.5	6.5	157.4	445.1	428.7	371.3
95.0	6.7	154.7	431.3	414.2	358.7
95.5	7.0	152.4	418.0	400.2	347.0
96.0	7.3	150.2	405.3	386.9	336.1
96.5	7.6	148.2	393.1	374.4	326.4
97.0	8.0	146.6	382.0	362.6	317.1
97.5	8.4	145.2	371.3	351.8	308.2
98.0	8.8	144.1	361.0	341.4	299.8
98.5	9.1	143.4	351.1	331.7	292.1
99.0	9.6	143.0	341.5	322.6	284.9
99.5	10.1	142.7	332.5	313.9	278.2
100.0	10.6	142.9	323.8	305.7	271.7
100.5	11.0	143.3	315.7	297.9	265.7
101.0	11.5	143.9	307.7	290.7	259.7
101.5	12.1	144.9	300.6	283.9	254.2
102.0	12.7	146.1	293.6	277.3	248.9
102.5	13.4	147.5	286.9	271.2	244.1
103.0	14.1	148.9	280.9	265.5	239.4
103.5	14.7	149.9	275.1	260.0	235.2
104.0	15.3	150.9	269.3	254.8	231.3
104.5	16.0	151.6	264.2	250.1	227.6
105.0	16.6	152.1	259.5	245.7	224.1
105.5	17.3	152.3	254.9	241.8	221.2
106.0	18.1	151.9	250.8	238.1	218.2
106.5	18.8	151.6	247.2	234.9	215.7
107.0	19.5	151.3	243.9	231.6	213.2
107.5	20.2	151.1	240.9	228.8	211.4
108.0	20.9	150.8	238.6	226.2	209.5
108.5	21.7	150.8	236.5	223.7	207.9
109.0	22.4	150.7	234.9	221.5	206.1
109.5	23.1	151.0	233.7	219.4	204.4
110.0	23.7	151.3	232.9	217.5	203.0
110.5	24.3	151.3	232.6	215.7	201.6

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**CANDELA TABULATION - (Cont.)**

111.0	25.0	151.4	232.2	214.0	200.2
111.5	25.6	151.3	232.2	212.3	198.8
112.0	26.2	151.0	232.0	210.7	197.5
112.5	26.7	150.8	231.8	209.4	196.1
113.0	27.3	150.5	231.4	208.3	194.8
113.5	27.9	149.7	230.6	207.3	193.8
114.0	28.5	149.0	229.7	206.6	192.7
114.5	29.2	148.5	228.6	205.8	191.8
115.0	29.7	148.5	226.9	205.1	191.1
115.5	30.3	148.0	224.9	204.6	190.5
116.0	30.8	147.4	223.0	204.2	190.2
116.5	31.2	146.8	220.9	203.8	189.7
117.0	31.6	146.3	218.8	203.3	189.6
117.5	32.1	145.9	216.3	203.1	189.3
118.0	32.6	145.4	213.6	202.5	189.4
118.5	33.0	144.9	211.0	202.0	189.1
119.0	33.5	144.3	208.4	201.5	188.8
119.5	33.8	143.5	205.6	200.6	188.6
120.0	34.1	142.7	202.9	199.8	188.4
120.5	34.5	141.9	200.2	199.0	188.2
121.0	34.8	140.8	197.5	198.0	187.9
121.5	35.0	139.7	194.7	196.7	187.6
122.0	35.1	138.4	192.1	195.5	187.1
122.5	35.3	137.3	189.6	194.1	186.6
123.0	35.5	136.4	186.8	192.7	185.8
123.5	35.6	134.4	183.5	191.1	185.0
124.0	35.8	132.2	179.9	189.6	183.9
124.5	35.9	130.6	176.6	187.7	183.0
125.0	36.0	129.4	173.9	186.1	182.0
125.5	36.1	128.6	172.0	184.2	180.7
126.0	36.2	128.4	170.6	182.2	179.5
126.5	36.3	127.7	168.8	180.1	178.4
127.0	36.3	126.3	166.9	178.0	177.0
127.5	36.3	124.6	165.1	175.8	175.3
128.0	36.3	123.0	163.5	173.5	173.4
128.5	36.3	121.3	161.6	171.3	171.4
129.0	36.2	119.5	160.0	169.2	169.6
129.5	36.2	117.7	158.3	167.1	167.6
130.0	36.2	115.9	156.4	165.1	165.5
130.5	36.1	114.0	154.4	163.1	163.5
131.0	36.1	112.2	152.5	161.3	161.7
131.5	36.0	110.4	150.4	159.3	159.9
132.0	35.9	108.4	148.2	157.5	158.1
132.5	35.8	106.5	145.9	155.8	156.5
133.0	35.7	104.5	143.5	153.6	154.8
133.5	35.5	102.6	141.4	151.3	153.3
134.0	35.3	100.6	139.3	149.2	151.9
134.5	35.2	98.6	137.5	147.3	150.4
135.0	35.0	96.7	135.9	145.8	148.8
135.5	34.9	94.7	133.7	144.8	147.4
136.0	34.7	92.8	131.7	143.7	146.1
136.5	34.6	91.0	129.5	142.5	144.9
137.0	34.4	89.1	127.1	141.5	143.7
137.5	34.2	87.3	124.6	140.4	142.5
138.0	34.0	85.4	122.0	139.1	141.3
138.5	33.9	83.6	119.7	138.0	140.2

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-4-835-U10-SM-CA.IES**

**CANDELA TABULATION - (Cont.)**

139.0	33.8	81.9	117.7	136.6	138.8
139.5	33.5	80.1	116.1	135.5	137.7
140.0	33.3	78.3	114.2	134.4	136.7
140.5	33.1	76.5	111.8	133.0	135.6
141.0	33.0	74.7	109.8	131.9	134.4
141.5	32.9	73.1	108.2	130.6	133.3
142.0	32.9	71.6	106.7	129.2	132.3
142.5	32.9	70.1	105.5	128.1	131.0
143.0	32.9	68.7	104.3	126.7	129.1
143.5	32.8	67.6	102.7	125.2	126.7
144.0	32.8	66.5	100.9	123.7	124.5
144.5	32.7	65.4	99.1	121.9	122.6
145.0	32.8	64.2	97.3	120.0	121.0
145.5	32.9	63.2	95.5	118.2	119.7
146.0	33.0	62.1	93.6	116.2	119.0
146.5	33.1	61.0	91.7	114.1	118.1
147.0	33.1	60.0	89.9	111.9	116.7
147.5	33.1	59.0	88.0	109.8	115.2
148.0	33.1	58.1	86.1	107.6	113.8
148.5	33.2	57.0	84.3	105.4	112.4
149.0	33.3	56.0	82.5	103.2	110.9
149.5	33.4	54.9	80.7	100.8	109.2
150.0	33.3	53.8	78.9	98.2	107.7
150.5	33.5	52.9	77.2	95.5	106.0
151.0	33.6	52.1	75.6	93.0	104.4
151.5	33.9	51.3	74.1	90.7	102.7
152.0	34.0	50.5	72.5	88.4	100.9
152.5	34.3	49.6	71.1	86.4	99.2
153.0	34.4	48.8	69.8	84.6	97.4
153.5	34.6	48.1	68.6	82.7	95.6
154.0	34.9	47.4	67.2	80.8	93.8
154.5	35.1	46.7	65.9	79.0	91.9
155.0	35.3	46.0	64.6	77.3	90.1
155.5	35.6	45.3	63.3	75.5	88.3
156.0	35.8	44.5	62.0	73.7	86.4
156.5	35.9	43.9	60.7	72.0	84.6
157.0	36.1	43.2	59.4	70.1	82.8
157.5	36.2	42.4	58.2	68.0	81.0
158.0	36.4	41.7	57.0	66.1	79.2
158.5	36.5	41.0	55.9	64.3	77.3
159.0	36.8	40.3	54.9	62.6	75.4
159.5	37.0	39.7	53.8	60.9	73.6
160.0	37.3	39.0	52.8	59.1	71.8
160.5	37.6	38.4	51.9	57.7	69.8
161.0	37.8	37.8	50.9	56.2	67.7
161.5	38.1	37.3	49.8	54.8	65.9
162.0	38.3	36.8	48.7	53.4	64.1
162.5	38.5	36.7	47.7	52.0	62.5
163.0	38.7	36.9	46.8	50.6	60.8
163.5	38.9	37.1	45.9	49.4	59.4
164.0	39.0	37.7	45.0	48.1	58.1
164.5	39.1	38.4	44.2	46.9	56.7
165.0	39.3	38.8	43.2	45.8	55.3
165.5	39.5	39.0	42.4	44.7	54.0
166.0	39.7	39.2	41.6	43.6	52.7
166.5	39.9	39.6	40.7	42.5	51.7

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-4-835-U10-SM-CA.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.0</b>	40.1	40.0	39.9	41.4	50.7
<b>167.5</b>	40.3	40.5	39.1	40.4	49.7
<b>168.0</b>	40.5	40.8	38.4	39.3	48.7
<b>168.5</b>	40.7	40.9	37.8	38.2	47.4
<b>169.0</b>	40.8	41.0	37.3	37.1	45.9
<b>169.5</b>	41.0	41.1	36.8	36.1	44.8
<b>170.0</b>	41.1	41.0	36.5	35.3	43.7
<b>170.5</b>	41.2	41.0	37.0	34.5	39.1
<b>171.0</b>	41.3	41.0	37.5	33.7	34.1
<b>171.5</b>	41.4	41.0	37.7	33.0	32.4
<b>172.0</b>	41.5	40.9	38.2	32.4	31.5
<b>172.5</b>	41.6	40.8	38.7	32.6	28.4
<b>173.0</b>	41.6	40.8	39.3	33.4	24.4
<b>173.5</b>	41.7	40.8	39.6	33.4	23.7
<b>174.0</b>	41.8	40.8	39.6	33.8	23.6
<b>174.5</b>	41.9	40.9	39.6	34.5	23.5
<b>175.0</b>	41.9	41.0	39.3	34.9	24.2
<b>175.5</b>	42.1	41.1	39.3	34.9	24.5
<b>176.0</b>	42.2	41.2	39.4	34.7	24.5
<b>176.5</b>	42.3	41.3	39.4	34.3	24.2
<b>177.0</b>	42.3	41.5	39.6	34.1	23.9
<b>177.5</b>	42.5	41.6	39.8	33.9	23.5
<b>178.0</b>	42.5	41.7	39.9	33.8	23.2
<b>178.5</b>	42.6	41.8	40.1	33.6	23.1
<b>179.0</b>	42.7	41.9	40.3	33.5	23.0
<b>179.5</b>	42.7	41.9	40.4	33.6	23.2
<b>180.0</b>	37.3	37.3	37.3	37.3	37.3



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-4-835-U10-SM-CA.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1878.62	N.A.	11.30
0-30	3997.75	N.A.	24.10
0-40	6508.16	N.A.	39.20
0-60	11495.13	N.A.	69.20
0-80	14868.01	N.A.	89.50
0-90	15577.16	N.A.	93.70
10-90	15098.13	N.A.	90.80
20-40	4629.54	N.A.	27.90
20-50	7197.26	N.A.	43.30
40-70	7011.26	N.A.	42.20
60-80	3372.88	N.A.	20.30
70-80	1348.59	N.A.	8.10
80-90	709.15	N.A.	4.30
90-110	541.81	N.A.	3.30
90-120	712.92	N.A.	4.30
90-130	847.81	N.A.	5.10
90-150	996.18	N.A.	6.00
90-180	1041.83	N.A.	6.30
110-180	500.02	N.A.	3.00
0-180	16618.98	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	479.03
10-20	1399.59
20-30	2119.13
30-40	2510.41
40-50	2567.72
50-60	2419.25
60-70	2024.29
70-80	1348.59
80-90	709.15
90-100	332.92
100-110	208.89
110-120	171.11
120-130	134.89
130-140	91.80
140-150	56.57
150-160	29.40
160-170	12.70
170-180	3.55

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-4-835-U10-SM-CA.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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	106	101	96	92	103	98	93	90	92	89	86	87	84	82	83	80	78	76
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	72	68	65	62
3	87	76	68	61	84	74	66	60	70	63	58	67	61	56	63	58	54	52
4	80	67	58	51	77	65	57	50	62	55	49	59	53	48	56	51	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	33
7	63	49	40	34	60	48	39	33	46	38	33	44	37	32	42	36	31	29
8	58	44	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	30	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	21

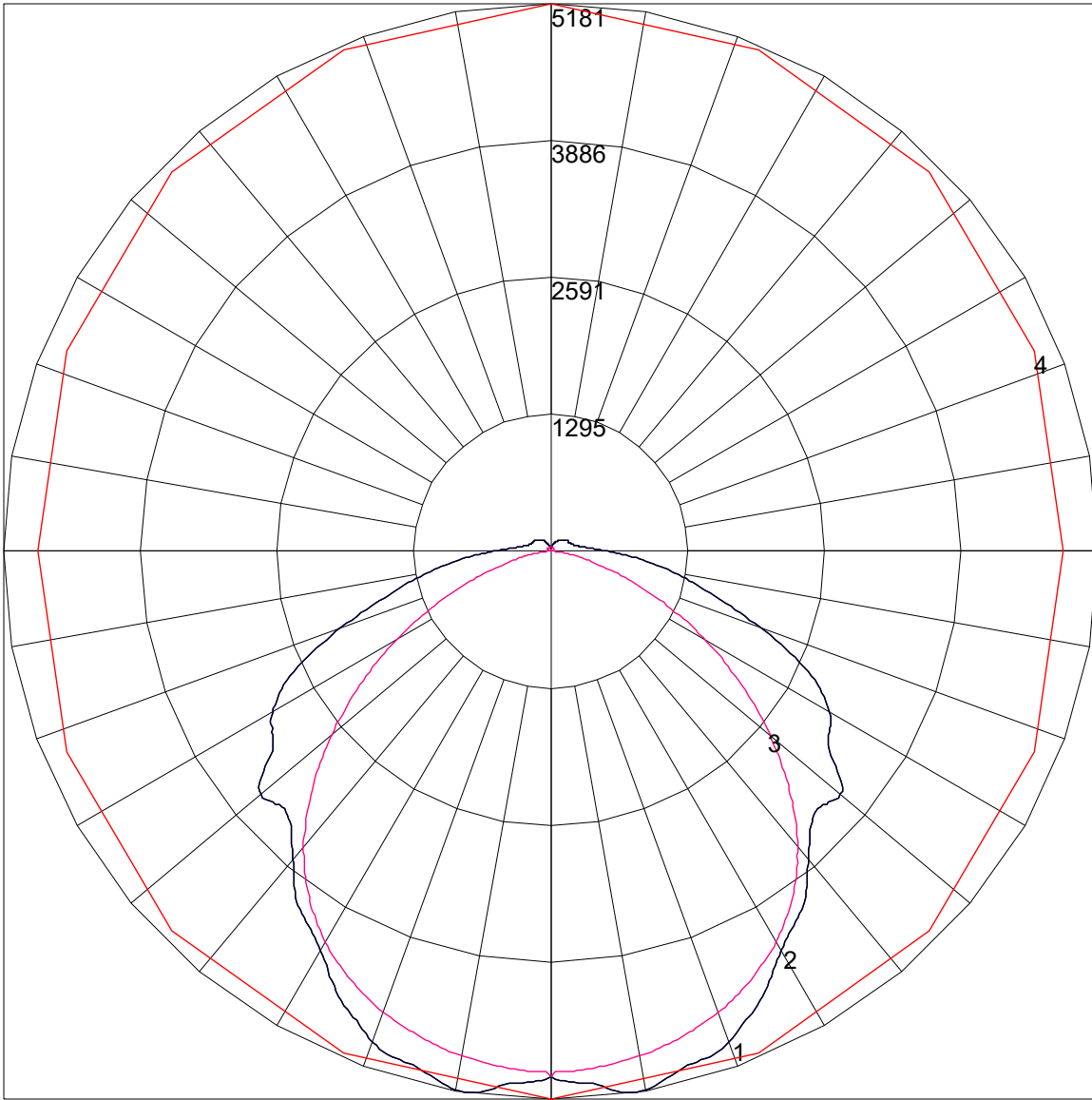
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HIGH-4-835-U10-SM-CA.IES**

**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	22.9	24.4	23.3	24.9	25.3	26.6	28.2	27.1	28.6	29.1
	3H	24.0	25.4	24.4	25.8	26.3	29.1	30.5	29.5	30.9	31.4
	4H	24.2	25.6	24.7	26.0	26.6	30.0	31.3	30.5	31.8	32.3
	6H	24.4	25.6	24.9	26.1	26.6	30.8	32.0	31.3	32.5	33.0
	8H	24.4	25.5	24.9	26.1	26.6	31.2	32.4	31.7	32.9	33.4
	12H	24.4	25.5	24.9	26.0	26.6	31.6	32.7	32.1	33.2	33.8
4H	2H	24.2	25.6	24.7	26.0	26.5	27.0	28.3	27.5	28.8	29.3
	3H	25.6	26.7	26.1	27.2	27.8	29.7	30.8	30.2	31.3	31.9
	4H	26.0	27.0	26.5	27.5	28.1	30.8	31.8	31.3	32.3	32.9
	6H	26.2	27.1	26.7	27.6	28.2	31.8	32.7	32.3	33.2	33.8
	8H	26.2	27.1	26.8	27.6	28.2	32.2	33.1	32.8	33.6	34.2
	12H	26.2	27.0	26.8	27.6	28.2	32.7	33.5	33.3	34.1	34.7
8H	4H	27.0	27.8	27.5	28.4	29.0	31.0	31.8	31.5	32.4	33.0
	6H	27.4	28.1	28.0	28.7	29.3	32.1	32.8	32.7	33.4	34.0
	8H	27.5	28.1	28.1	28.7	29.4	32.7	33.3	33.3	33.9	34.6
	12H	27.5	28.1	28.1	28.7	29.4	33.3	33.9	33.9	34.5	35.2
12H	4H	27.2	27.9	27.7	28.5	29.1	30.9	31.7	31.5	32.3	32.9
	6H	27.7	28.4	28.3	29.0	29.6	32.1	32.8	32.7	33.4	34.0
	8H	27.9	28.5	28.5	29.1	29.8	32.8	33.4	33.4	34.0	34.6

Maximum UGR = 35.2

POLAR GRAPH



Maximum Candela = 5181 Located At Horizontal Angle = 90, Vertical Angle = 9.5  
# 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 (9.5) (Through Max. Cd.)