



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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 14298494.05
 [TESTLAB] UL LLC
 [ISSUEDATE] 4/29/2022
 [MANUFAC] Lux Dynamics
 [LUMCAT] HIGH-4-835-U10-SM-CP
 [LUMINAIRE] HIGH Line LED Fixture, 4' Length, 3500K, Clear Polycarbonate Lens
 [LAMP] White LED array
 [BALLAST] Two (2) OSRAM OPTOTRONIC OTi 85/120-277/2A3 DIM L HB
 [OTHER] 25.4 C, 276.957 V, 0.405263 A, 106.9 W, 0.953289 PF, 59.9996 H
 [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	15674
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	106.9
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)	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	48657	47502	47013
55	39851	42879	46796
65	28923	40452	44235
75	18121	35514	35487
85	9069	28532	25333

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

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	4516.0	4516.0	4516.0	4516.0	4516.0	4516.0	4516.0	4516.0	4516.0
0.5	4508.0	4520.0	4515.0	4509.0	4538.0	4509.0	4514.0	4515.0	4508.0
1.0	4508.0	4519.0	4516.0	4511.0	4540.0	4510.0	4514.0	4516.0	4505.0
1.5	4508.0	4520.0	4518.0	4511.0	4542.0	4512.0	4515.0	4514.0	4504.0
2.0	4506.0	4516.0	4517.0	4516.0	4545.0	4511.0	4515.0	4512.0	4502.0
2.5	4506.0	4516.0	4520.0	4520.0	4550.0	4516.0	4514.0	4511.0	4497.0
3.0	4505.0	4515.0	4521.0	4523.0	4553.0	4518.0	4516.0	4511.0	4493.0
3.5	4501.0	4515.0	4521.0	4526.0	4559.0	4524.0	4516.0	4508.0	4491.0
4.0	4496.0	4513.0	4524.0	4530.0	4562.0	4528.0	4516.0	4508.0	4484.0
4.5	4494.0	4511.0	4526.0	4534.0	4570.0	4531.0	4518.0	4506.0	4480.0
5.0	4493.0	4509.0	4527.0	4539.0	4575.0	4533.0	4519.0	4503.0	4476.0
5.5	4488.0	4505.0	4527.0	4542.0	4579.0	4538.0	4521.0	4500.0	4472.0
6.0	4482.0	4503.0	4528.0	4544.0	4582.0	4542.0	4519.0	4497.0	4465.0
6.5	4475.0	4500.0	4528.0	4547.0	4584.0	4542.0	4519.0	4494.0	4459.0
7.0	4469.0	4496.0	4527.0	4548.0	4587.0	4545.0	4522.0	4488.0	4450.0
7.5	4462.0	4491.0	4527.0	4548.0	4588.0	4546.0	4520.0	4484.0	4441.0
8.0	4455.0	4487.0	4523.0	4549.0	4589.0	4547.0	4518.0	4480.0	4433.0
8.5	4448.0	4481.0	4521.0	4547.0	4588.0	4548.0	4515.0	4475.0	4428.0
9.0	4440.0	4473.0	4519.0	4545.0	4589.0	4547.0	4512.0	4469.0	4420.0
9.5	4433.0	4468.0	4515.0	4546.0	4591.0	4545.0	4511.0	4462.0	4408.0
10.0	4425.0	4462.0	4513.0	4546.0	4592.0	4544.0	4505.0	4456.0	4399.0
10.5	4415.0	4456.0	4509.0	4547.0	4593.0	4544.0	4501.0	4449.0	4390.0
11.0	4407.0	4451.0	4504.0	4546.0	4597.0	4544.0	4498.0	4443.0	4378.0
11.5	4395.0	4440.0	4500.0	4548.0	4600.0	4544.0	4493.0	4435.0	4363.0
12.0	4385.0	4432.0	4495.0	4548.0	4600.0	4543.0	4488.0	4428.0	4354.0
12.5	4371.0	4425.0	4490.0	4550.0	4606.0	4545.0	4483.0	4422.0	4343.0
13.0	4359.0	4415.0	4484.0	4553.0	4610.0	4547.0	4477.0	4412.0	4328.0
13.5	4346.0	4405.0	4479.0	4552.0	4610.0	4545.0	4473.0	4402.0	4315.0
14.0	4334.0	4393.0	4476.0	4554.0	4613.0	4543.0	4467.0	4391.0	4301.0
14.5	4318.0	4384.0	4469.0	4555.0	4615.0	4546.0	4460.0	4382.0	4286.0
15.0	4306.0	4370.0	4464.0	4556.0	4615.0	4546.0	4453.0	4370.0	4269.0
15.5	4292.0	4359.0	4459.0	4555.0	4616.0	4546.0	4448.0	4359.0	4254.0
16.0	4277.0	4346.0	4454.0	4554.0	4615.0	4545.0	4443.0	4347.0	4239.0
16.5	4263.0	4334.0	4448.0	4552.0	4613.0	4543.0	4436.0	4335.0	4222.0
17.0	4251.0	4320.0	4439.0	4547.0	4606.0	4540.0	4428.0	4322.0	4206.0
17.5	4234.0	4308.0	4434.0	4541.0	4603.0	4537.0	4422.0	4310.0	4190.0
18.0	4217.0	4296.0	4428.0	4537.0	4598.0	4531.0	4413.0	4295.0	4172.0
18.5	4202.0	4281.0	4422.0	4531.0	4589.0	4525.0	4407.0	4282.0	4154.0
19.0	4181.0	4265.0	4412.0	4524.0	4586.0	4519.0	4399.0	4267.0	4137.0
19.5	4166.0	4248.0	4404.0	4513.0	4577.0	4510.0	4392.0	4252.0	4117.0
20.0	4149.0	4233.0	4393.0	4506.0	4568.0	4502.0	4380.0	4237.0	4099.0
20.5	4129.0	4218.0	4383.0	4496.0	4559.0	4492.0	4371.0	4218.0	4076.0
21.0	4107.0	4199.0	4371.0	4486.0	4547.0	4482.0	4360.0	4202.0	4056.0
21.5	4087.0	4182.0	4361.0	4475.0	4538.0	4470.0	4348.0	4184.0	4035.0
22.0	4069.0	4164.0	4349.0	4464.0	4528.0	4458.0	4338.0	4167.0	4015.0
22.5	4048.0	4144.0	4337.0	4452.0	4516.0	4446.0	4326.0	4147.0	3992.0
23.0	4030.0	4126.0	4321.0	4436.0	4505.0	4432.0	4314.0	4128.0	3968.0
23.5	4008.0	4105.0	4308.0	4424.0	4492.0	4421.0	4299.0	4109.0	3947.0
24.0	3986.0	4083.0	4293.0	4410.0	4480.0	4407.0	4285.0	4089.0	3924.0
24.5	3962.0	4063.0	4275.0	4397.0	4467.0	4394.0	4269.0	4069.0	3897.0
25.0	3938.0	4039.0	4259.0	4384.0	4455.0	4380.0	4252.0	4048.0	3871.0
25.5	3915.0	4017.0	4242.0	4369.0	4441.0	4366.0	4235.0	4025.0	3846.0
26.0	3889.0	3995.0	4222.0	4353.0	4426.0	4352.0	4217.0	4003.0	3823.0
26.5	3867.0	3973.0	4203.0	4339.0	4410.0	4337.0	4197.0	3981.0	3796.0

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

CANDELA TABULATION - (Cont.)

27.0	3839.0	3948.0	4183.0	4320.0	4394.0	4321.0	4178.0	3958.0	3766.0
27.5	3811.0	3926.0	4164.0	4304.0	4379.0	4304.0	4157.0	3933.0	3740.0
28.0	3786.0	3900.0	4141.0	4287.0	4364.0	4287.0	4139.0	3910.0	3713.0
28.5	3755.0	3875.0	4123.0	4268.0	4346.0	4269.0	4117.0	3886.0	3687.0
29.0	3728.0	3851.0	4099.0	4249.0	4326.0	4250.0	4097.0	3860.0	3659.0
29.5	3699.0	3826.0	4079.0	4232.0	4308.0	4234.0	4073.0	3835.0	3632.0
30.0	3670.0	3800.0	4055.0	4212.0	4290.0	4215.0	4052.0	3811.0	3605.0
30.5	3642.0	3774.0	4034.0	4194.0	4268.0	4196.0	4029.0	3782.0	3575.0
31.0	3614.0	3748.0	4011.0	4175.0	4250.0	4177.0	4008.0	3756.0	3545.0
31.5	3582.0	3721.0	3987.0	4155.0	4229.0	4157.0	3985.0	3729.0	3516.0
32.0	3552.0	3690.0	3962.0	4134.0	4204.0	4139.0	3961.0	3703.0	3482.0
32.5	3520.0	3663.0	3938.0	4113.0	4182.0	4118.0	3938.0	3677.0	3452.0
33.0	3491.0	3634.0	3912.0	4092.0	4159.0	4098.0	3914.0	3646.0	3421.0
33.5	3460.0	3607.0	3888.0	4070.0	4132.0	4074.0	3890.0	3619.0	3388.0
34.0	3427.0	3575.0	3862.0	4048.0	4108.0	4051.0	3863.0	3588.0	3358.0
34.5	3404.0	3544.0	3837.0	4025.0	4081.0	4028.0	3840.0	3561.0	3327.0
35.0	3372.0	3513.0	3812.0	3999.0	4053.0	4004.0	3815.0	3534.0	3292.0
35.5	3335.0	3483.0	3784.0	3975.0	4025.0	3979.0	3789.0	3504.0	3254.0
36.0	3306.0	3450.0	3756.0	3950.0	3995.0	3954.0	3762.0	3473.0	3225.0
36.5	3275.0	3417.0	3731.0	3920.0	3967.0	3929.0	3737.0	3441.0	3191.0
37.0	3237.0	3387.0	3705.0	3891.0	3935.0	3901.0	3710.0	3410.0	3142.0
37.5	3210.0	3351.0	3679.0	3863.0	3902.0	3874.0	3683.0	3376.0	3124.0
38.0	3172.0	3321.0	3649.0	3834.0	3871.0	3845.0	3657.0	3343.0	3096.0
38.5	3134.0	3284.0	3623.0	3804.0	3842.0	3815.0	3628.0	3308.0	3055.0
39.0	3098.0	3253.0	3595.0	3775.0	3808.0	3785.0	3602.0	3277.0	3006.0
39.5	3040.0	3215.0	3565.0	3746.0	3777.0	3755.0	3574.0	3245.0	2974.0
40.0	3022.0	3178.0	3536.0	3713.0	3743.0	3724.0	3546.0	3212.0	2939.0
40.5	2993.0	3142.0	3507.0	3682.0	3712.0	3694.0	3513.0	3175.0	2894.0
41.0	2946.0	3111.0	3478.0	3652.0	3679.0	3663.0	3486.0	3135.0	2865.0
41.5	2903.0	3083.0	3446.0	3621.0	3649.0	3630.0	3459.0	3105.0	2833.0
42.0	2859.0	3034.0	3414.0	3589.0	3617.0	3600.0	3429.0	3076.0	2807.0
42.5	2821.0	3002.0	3385.0	3559.0	3588.0	3568.0	3399.0	3031.0	2753.0
43.0	2766.0	2955.0	3356.0	3525.0	3556.0	3538.0	3366.0	2994.0	2711.0
43.5	2732.0	2923.0	3329.0	3491.0	3530.0	3506.0	3338.0	2954.0	2674.0
44.0	2697.0	2886.0	3288.0	3462.0	3502.0	3471.0	3304.0	2917.0	2623.0
44.5	2651.0	2849.0	3259.0	3428.0	3476.0	3438.0	3275.0	2882.0	2586.0
45.0	2606.0	2805.0	3231.0	3398.0	3448.0	3407.0	3241.0	2842.0	2554.0
45.5	2564.0	2764.0	3197.0	3370.0	3424.0	3381.0	3214.0	2810.0	2507.0
46.0	2524.0	2730.0	3162.0	3339.0	3402.0	3353.0	3176.0	2772.0	2467.0
46.5	2479.0	2692.0	3133.0	3309.0	3381.0	3324.0	3148.0	2727.0	2426.0
47.0	2438.0	2649.0	3089.0	3282.0	3362.0	3294.0	3121.0	2694.0	2382.0
47.5	2393.0	2607.0	3069.0	3253.0	3344.0	3264.0	3067.0	2657.0	2338.0
48.0	2351.0	2568.0	3040.0	3233.0	3335.0	3236.0	3045.0	2614.0	2297.0
48.5	2308.0	2532.0	3003.0	3211.0	3318.0	3213.0	3016.0	2576.0	2253.0
49.0	2263.0	2493.0	2974.0	3177.0	3302.0	3195.0	2981.0	2536.0	2209.0
49.5	2218.0	2452.0	2932.0	3163.0	3289.0	3166.0	2959.0	2499.0	2164.0
50.0	2176.0	2414.0	2902.0	3143.0	3277.0	3146.0	2919.0	2460.0	2124.0
50.5	2132.0	2372.0	2874.0	3117.0	3265.0	3130.0	2897.0	2421.0	2079.0
51.0	2088.0	2332.0	2837.0	3118.0	3255.0	3100.0	2859.0	2380.0	2034.0
51.5	2045.0	2293.0	2812.0	3094.0	3243.0	3086.0	2826.0	2340.0	1994.0
52.0	2003.0	2252.0	2784.0	3076.0	3225.0	3070.0	2787.0	2300.0	1951.0
52.5	1959.0	2213.0	2761.0	3055.0	3207.0	3058.0	2760.0	2261.0	1907.0
53.0	1915.0	2172.0	2718.0	3041.0	3199.0	3046.0	2728.0	2220.0	1864.0
53.5	1875.0	2132.0	2681.0	3034.0	3177.0	3021.0	2702.0	2179.0	1822.0
54.0	1834.0	2089.0	2658.0	3020.0	3160.0	3009.0	2668.0	2139.0	1780.0
54.5	1790.0	2048.0	2626.0	3006.0	3144.0	2999.0	2642.0	2098.0	1735.0

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

CANDELA TABULATION - (Cont.)

55.0	1747.0	2007.0	2598.0	2993.0	3124.0	2970.0	2611.0	2058.0	1694.0
55.5	1705.0	1968.0	2572.0	2969.0	3108.0	2975.0	2583.0	2018.0	1650.0
56.0	1662.0	1926.0	2543.0	2943.0	3085.0	2955.0	2554.0	1977.0	1607.0
56.5	1619.0	1885.0	2517.0	2925.0	3061.0	2932.0	2524.0	1936.0	1567.0
57.0	1581.0	1844.0	2489.0	2913.0	3035.0	2910.0	2497.0	1896.0	1526.0
57.5	1539.0	1803.0	2460.0	2887.0	3008.0	2898.0	2471.0	1856.0	1486.0
58.0	1497.0	1763.0	2437.0	2867.0	2996.0	2875.0	2445.0	1817.0	1442.0
58.5	1457.0	1722.0	2412.0	2851.0	2970.0	2845.0	2418.0	1777.0	1401.0
59.0	1416.0	1684.0	2384.0	2820.0	2943.0	2826.0	2391.0	1738.0	1361.0
59.5	1375.0	1643.0	2362.0	2791.0	2921.0	2806.0	2368.0	1698.0	1320.0
60.0	1335.0	1604.0	2336.0	2773.0	2887.0	2775.0	2341.0	1661.0	1280.0
60.5	1295.0	1566.0	2310.0	2745.0	2853.0	2761.0	2318.0	1621.0	1241.0
61.0	1254.0	1527.0	2283.0	2719.0	2827.0	2738.0	2292.0	1581.0	1205.0
61.5	1215.0	1488.0	2258.0	2700.0	2797.0	2701.0	2269.0	1543.0	1166.0
62.0	1180.0	1450.0	2235.0	2656.0	2775.0	2684.0	2243.0	1505.0	1128.0
62.5	1140.0	1414.0	2208.0	2640.0	2750.0	2659.0	2216.0	1467.0	1090.0
63.0	1101.0	1377.0	2184.0	2611.0	2714.0	2625.0	2191.0	1430.0	1053.0
63.5	1062.0	1339.0	2157.0	2588.0	2674.0	2599.0	2165.0	1393.0	1016.0
64.0	1024.0	1304.0	2129.0	2555.0	2645.0	2565.0	2138.0	1355.0	979.4
64.5	986.2	1269.0	2104.0	2523.0	2611.0	2538.0	2114.0	1321.0	943.4
65.0	948.3	1235.0	2076.0	2485.0	2572.0	2510.0	2087.0	1286.0	908.4
65.5	911.4	1203.0	2048.0	2460.0	2533.0	2473.0	2057.0	1249.0	874.3
66.0	876.3	1170.0	2022.0	2427.0	2496.0	2441.0	2031.0	1217.0	841.1
66.5	841.8	1137.0	1993.0	2391.0	2458.0	2407.0	2002.0	1183.0	808.7
67.0	808.1	1104.0	1963.0	2356.0	2417.0	2370.0	1975.0	1151.0	776.7
67.5	774.7	1072.0	1934.0	2319.0	2376.0	2334.0	1944.0	1117.0	745.6
68.0	741.9	1039.0	1903.0	2282.0	2332.0	2297.0	1915.0	1084.0	715.0
68.5	710.9	1008.0	1872.0	2244.0	2290.0	2258.0	1887.0	1052.0	685.2
69.0	680.3	977.0	1843.0	2208.0	2246.0	2222.0	1856.0	1020.0	656.7
69.5	650.7	946.7	1811.0	2168.0	2204.0	2181.0	1825.0	989.1	628.5
70.0	621.5	916.6	1779.0	2128.0	2156.0	2143.0	1794.0	958.9	600.9
70.5	593.5	886.7	1746.0	2086.0	2110.0	2101.0	1761.0	928.6	573.8
71.0	566.1	857.8	1713.0	2044.0	2062.0	2060.0	1728.0	898.8	547.5
71.5	540.3	829.6	1680.0	2003.0	2017.0	2018.0	1696.0	869.5	522.3
72.0	514.3	801.2	1644.0	1961.0	1972.0	1975.0	1663.0	840.7	497.5
72.5	489.7	773.4	1611.0	1918.0	1923.0	1933.0	1628.0	813.2	473.7
73.0	465.7	746.4	1576.0	1875.0	1878.0	1892.0	1594.0	785.6	450.7
73.5	442.1	720.2	1542.0	1834.0	1831.0	1850.0	1559.0	758.4	427.6
74.0	419.3	694.1	1508.0	1789.0	1786.0	1806.0	1525.0	731.6	405.5
74.5	397.3	669.0	1473.0	1749.0	1739.0	1766.0	1490.0	705.5	383.6
75.0	375.8	644.5	1438.0	1705.0	1695.0	1725.0	1452.0	679.9	363.5
75.5	355.4	620.3	1404.0	1664.0	1652.0	1684.0	1418.0	655.4	342.6
76.0	335.2	596.8	1370.0	1625.0	1607.0	1644.0	1381.0	631.3	322.8
76.5	315.8	573.8	1335.0	1586.0	1567.0	1604.0	1349.0	607.4	303.4
77.0	297.4	551.3	1301.0	1544.0	1522.0	1563.0	1314.0	584.1	285.0
77.5	279.4	529.6	1266.0	1504.0	1480.0	1524.0	1281.0	561.1	266.9
78.0	261.3	508.3	1235.0	1462.0	1436.0	1484.0	1247.0	539.0	249.5
78.5	244.3	487.7	1203.0	1424.0	1394.0	1441.0	1215.0	517.6	232.8
79.0	227.7	467.1	1171.0	1383.0	1352.0	1402.0	1181.0	496.7	216.6
79.5	211.9	447.6	1138.0	1344.0	1309.0	1361.0	1151.0	475.7	200.8
80.0	196.6	428.2	1105.0	1305.0	1269.0	1321.0	1118.0	455.6	185.4
80.5	182.0	409.2	1072.0	1266.0	1232.0	1282.0	1086.0	435.8	171.0
81.0	167.8	390.5	1040.0	1228.0	1190.0	1244.0	1054.0	416.6	157.2
81.5	154.1	372.5	1010.0	1193.0	1153.0	1208.0	1023.0	397.7	143.7
82.0	141.2	355.0	979.4	1159.0	1118.0	1174.0	992.3	379.1	131.1
82.5	128.4	338.2	949.9	1123.0	1081.0	1138.0	962.3	361.1	118.8

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

CANDELA TABULATION - (Cont.)

83.0	116.3	322.4	921.1	1088.0	1045.0	1103.0	933.3	343.8	107.3
83.5	104.7	306.7	892.9	1054.0	1010.0	1068.0	904.9	327.3	96.2
84.0	93.6	291.6	865.1	1020.0	976.3	1034.0	877.3	311.2	85.8
84.5	83.1	277.1	837.9	987.2	942.8	999.9	850.1	295.8	75.9
85.0	73.1	262.8	811.2	955.1	910.3	966.1	823.5	281.0	66.6
85.5	63.7	249.3	785.6	923.4	878.6	935.0	796.7	266.5	57.9
86.0	54.8	236.2	760.4	892.9	848.1	904.2	771.0	252.8	49.7
86.5	46.5	224.0	735.4	863.2	818.0	874.4	746.1	239.4	42.1
87.0	38.7	212.2	711.0	834.5	788.6	845.0	722.0	226.6	34.9
87.5	31.4	201.3	688.0	806.0	760.2	816.3	698.5	214.9	28.7
88.0	24.8	191.4	665.5	778.5	732.6	788.2	675.7	203.8	23.4
88.5	19.1	182.6	643.6	752.0	706.2	761.1	653.2	193.5	19.0
89.0	14.4	174.6	622.9	725.7	680.3	734.6	632.0	184.2	15.7
89.5	10.7	167.6	603.4	700.7	655.0	709.0	611.9	176.2	9.8
90.0	6.4	161.6	585.5	676.4	631.0	684.3	592.9	169.4	5.6
90.5	5.1	156.6	568.6	653.0	608.1	660.6	575.1	163.3	5.5
91.0	5.2	152.2	552.7	630.8	585.9	637.8	558.5	158.1	5.5
91.5	5.3	148.0	537.6	609.4	565.0	616.2	542.9	153.7	5.6
92.0	5.4	144.4	523.2	589.0	545.1	595.5	528.5	149.7	5.9
92.5	5.7	141.2	509.5	570.1	526.1	575.9	514.5	146.0	6.0
93.0	5.9	138.3	496.8	551.8	507.9	557.1	501.8	142.3	6.2
93.5	6.0	135.6	484.0	534.1	490.9	539.0	489.3	138.9	6.5
94.0	6.4	133.3	471.9	517.2	474.4	521.8	477.2	136.1	6.8
94.5	6.8	130.9	460.3	500.9	458.9	505.4	465.2	133.4	7.1
95.0	7.2	129.1	448.7	485.1	443.9	489.4	453.3	130.9	7.3
95.5	7.6	127.3	437.2	469.7	429.7	474.3	441.6	128.5	7.5
96.0	8.1	125.4	425.8	455.1	416.3	459.9	430.2	126.5	7.7
96.5	8.7	124.1	414.8	441.1	403.4	445.9	418.8	124.5	8.0
97.0	9.2	122.6	404.2	428.2	391.3	432.6	408.0	122.8	8.1
97.5	9.7	121.4	394.0	415.6	379.9	420.2	397.7	121.4	8.3
98.0	10.3	120.0	384.2	403.9	368.8	408.1	387.6	119.9	8.6
98.5	10.9	118.7	374.8	392.5	358.7	396.7	377.6	118.9	8.9
99.0	11.5	117.9	365.4	381.9	349.1	386.1	368.0	117.9	9.4
99.5	12.1	117.3	356.5	371.9	340.2	376.0	359.0	117.2	9.9
100.0	12.8	117.0	348.2	362.5	331.8	366.1	350.5	116.8	10.3
100.5	13.3	117.1	340.1	353.4	324.0	356.7	342.2	116.7	10.7
101.0	13.9	117.5	332.3	344.9	316.7	347.9	334.0	116.8	11.1
101.5	14.4	118.2	325.1	336.8	309.8	339.6	326.7	117.1	11.7
102.0	15.2	118.8	318.3	329.2	303.2	331.7	319.5	117.6	12.4
102.5	15.9	119.8	311.6	322.0	297.4	324.5	312.8	118.4	13.1
103.0	16.6	120.8	305.3	315.5	291.9	317.6	306.1	119.3	13.7
103.5	17.4	121.9	299.3	309.3	286.5	311.1	300.0	120.5	14.4
104.0	18.1	123.0	293.4	303.4	281.7	304.9	293.9	121.6	15.0
104.5	18.8	124.1	287.9	297.6	276.9	299.0	288.7	122.9	15.7
105.0	19.6	125.3	282.8	292.5	272.6	293.5	283.3	124.0	16.3
105.5	20.4	126.5	278.0	287.4	268.8	288.5	278.6	125.5	16.8
106.0	21.1	127.6	273.4	282.9	265.0	283.9	274.3	126.7	17.5
106.5	21.9	128.7	269.2	278.8	261.8	279.5	269.7	128.0	18.2
107.0	22.8	129.6	265.1	274.8	258.4	275.4	265.9	129.3	18.8
107.5	23.6	130.3	261.4	271.1	255.4	271.6	262.4	130.2	19.5
108.0	24.4	131.2	258.2	267.8	252.8	268.2	259.0	131.0	20.1
108.5	25.2	131.8	255.1	264.8	250.1	265.0	256.1	131.5	20.7
109.0	26.0	132.8	252.9	261.8	247.8	262.1	253.7	131.8	21.4
109.5	26.9	133.6	251.3	258.9	245.7	259.4	251.6	132.3	22.2
110.0	27.7	134.3	250.0	256.5	243.4	256.8	249.9	132.7	22.8
110.5	28.5	135.1	248.7	254.0	241.9	254.3	248.3	133.5	23.6

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

CANDELA TABULATION - (Cont.)

111.0	29.2	135.6	248.1	251.3	239.9	252.0	247.2	134.2	24.2
111.5	30.1	136.2	247.4	248.9	238.1	250.0	246.1	135.3	24.9
112.0	30.9	136.8	247.0	246.8	236.5	247.9	245.6	135.8	25.5
112.5	31.7	137.5	246.4	245.2	234.9	246.2	245.2	136.7	26.1
113.0	32.5	138.0	246.1	243.6	233.4	244.5	244.7	137.0	26.8
113.5	33.3	138.7	246.0	241.8	231.7	242.8	244.5	136.9	27.6
114.0	34.0	139.5	246.1	240.1	230.5	241.5	244.4	136.9	28.3
114.5	34.9	140.3	245.9	239.1	229.1	240.5	244.7	137.6	29.0
115.0	35.6	140.9	245.9	238.0	227.8	239.4	244.7	138.4	29.7
115.5	36.5	141.6	245.8	237.5	226.6	238.4	244.7	139.0	30.2
116.0	37.3	142.1	245.3	236.9	225.2	237.7	244.8	139.4	30.5
116.5	38.0	142.7	245.1	236.3	224.0	237.1	244.7	139.7	30.9
117.0	38.7	143.2	244.8	235.5	223.1	236.5	244.6	139.9	31.3
117.5	39.5	143.8	244.0	234.9	222.4	236.0	244.0	140.3	31.9
118.0	40.2	144.2	243.3	234.7	221.4	235.3	243.1	140.6	32.2
118.5	40.8	144.6	242.6	234.4	220.8	234.7	242.1	140.9	32.7
119.0	41.5	144.9	241.7	234.3	220.2	234.0	241.0	141.1	33.2
119.5	42.0	144.9	240.5	233.9	219.6	233.3	239.4	141.3	33.4
120.0	42.6	145.0	239.5	233.9	219.4	232.8	237.9	141.2	33.8
120.5	43.2	145.1	238.4	233.8	219.2	232.3	236.3	141.1	34.1
121.0	43.7	144.7	236.9	233.6	219.2	231.5	235.2	140.8	34.4
121.5	44.0	144.6	235.4	233.2	219.4	231.1	234.2	139.9	34.7
122.0	44.4	144.4	234.0	232.9	219.5	230.7	232.8	139.2	35.0
122.5	44.8	144.2	232.5	232.6	219.3	230.3	231.6	138.8	35.2
123.0	45.1	143.8	230.9	232.1	219.4	230.0	230.1	138.0	35.4
123.5	45.5	143.2	229.3	231.6	219.3	229.6	227.0	135.4	35.7
124.0	45.8	142.7	227.3	230.9	219.0	229.0	222.1	133.1	35.9
124.5	46.1	142.0	225.4	230.1	218.8	228.4	218.3	131.9	36.2
125.0	46.3	141.4	223.8	229.1	218.5	227.6	215.9	131.9	36.4
125.5	46.6	140.6	221.7	228.1	218.1	226.7	215.0	132.6	36.7
126.0	46.9	139.8	219.7	226.9	217.5	225.7	214.4	133.5	36.8
126.5	47.1	139.0	217.4	225.6	216.7	224.6	213.2	133.0	37.0
127.0	47.3	138.0	215.4	224.4	216.0	223.2	211.6	131.6	37.1
127.5	47.4	137.2	213.1	222.8	215.1	221.9	209.7	130.0	37.2
128.0	47.6	136.1	210.6	221.3	214.2	220.5	207.6	128.0	37.4
128.5	47.8	135.1	208.2	219.5	213.0	219.3	205.5	126.1	37.5
129.0	47.9	134.0	205.6	217.8	211.9	217.8	203.4	124.2	37.5
129.5	48.1	132.6	203.1	216.1	210.4	216.0	201.0	122.3	37.6
130.0	48.1	131.4	200.5	214.2	209.1	214.6	198.2	120.2	37.6
130.5	48.2	130.1	198.0	212.4	207.9	212.6	194.9	118.3	37.7
131.0	48.3	128.5	195.7	210.4	206.3	210.6	192.2	116.3	37.8
131.5	48.3	127.0	193.5	208.2	204.5	208.6	189.2	114.4	37.8
132.0	48.3	125.2	191.3	206.3	203.2	206.6	185.8	112.4	37.9
132.5	48.2	123.2	189.1	204.1	201.5	204.2	181.9	110.3	37.9
133.0	48.2	121.3	187.1	202.1	199.9	200.8	178.1	108.2	38.0
133.5	48.1	119.3	185.0	200.1	197.9	196.7	174.2	106.3	37.9
134.0	48.0	117.3	182.9	197.9	196.2	193.1	170.7	104.3	37.8
134.5	47.9	115.5	180.8	195.7	194.3	190.2	167.7	102.3	37.8
135.0	47.8	113.7	178.7	193.4	192.5	188.2	164.7	100.4	37.7
135.5	47.7	111.8	176.6	191.2	190.4	186.8	161.4	98.4	37.6
136.0	47.5	110.2	174.3	188.6	188.3	185.2	158.1	96.4	37.5
136.5	47.3	108.6	172.3	186.1	186.6	183.0	153.8	94.4	37.4
137.0	47.2	107.2	170.1	184.0	184.7	180.9	149.2	92.4	37.3
137.5	47.0	105.5	168.0	181.4	182.7	178.9	144.2	90.4	37.2
138.0	46.8	104.2	165.8	179.2	180.4	176.6	139.4	88.5	37.0
138.5	46.6	102.6	163.5	176.9	178.6	174.4	135.3	86.6	36.7

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

CANDELA TABULATION - (Cont.)

139.0	46.4	101.0	161.4	174.7	176.3	172.3	132.4	84.7	36.6
139.5	46.2	99.4	158.9	172.3	174.2	170.2	130.0	82.7	36.4
140.0	45.9	97.9	156.9	170.2	172.3	168.1	127.0	80.8	36.3
140.5	45.7	96.3	154.3	168.1	170.2	166.2	123.4	78.9	35.6
141.0	45.4	94.6	151.8	165.9	167.9	164.0	120.4	76.8	35.6
141.5	45.1	93.0	149.1	163.7	165.9	161.6	118.3	74.9	35.8
142.0	44.9	91.4	146.5	161.6	164.0	159.7	116.6	73.2	36.0
142.5	44.7	89.8	144.1	159.6	161.8	157.6	115.7	71.6	35.9
143.0	44.5	88.2	141.6	157.3	158.7	155.6	114.5	70.2	35.9
143.5	44.3	86.6	139.2	155.2	155.3	153.3	112.5	68.8	35.9
144.0	44.0	85.1	136.7	153.2	152.1	151.0	110.2	67.4	35.9
144.5	43.8	83.5	134.3	151.2	149.2	148.3	107.6	65.8	35.9
145.0	43.6	82.1	131.9	149.1	146.7	145.6	105.4	64.5	36.0
145.5	43.5	80.6	129.2	146.9	145.0	142.8	102.8	63.5	36.1
146.0	43.4	79.2	126.7	144.8	143.8	139.7	100.2	62.5	36.2
146.5	43.1	77.8	124.4	142.4	142.2	136.3	97.6	61.4	36.3
147.0	42.7	76.4	122.1	140.3	140.6	132.8	95.1	60.3	36.4
147.5	42.4	75.1	119.6	138.1	138.8	129.3	92.6	59.3	36.5
148.0	42.0	73.6	117.4	135.8	136.8	125.8	90.1	58.2	36.6
148.5	41.7	72.1	115.0	133.5	134.9	122.0	87.7	57.3	36.8
149.0	41.4	70.5	112.6	131.2	133.0	118.4	85.4	56.3	36.9
149.5	41.1	68.9	110.2	128.9	130.9	113.9	83.1	55.3	37.0
150.0	40.8	67.5	107.9	126.6	128.8	108.8	80.9	54.3	37.1
150.5	40.7	65.9	105.7	124.4	126.6	104.4	78.8	53.5	37.3
151.0	40.6	64.5	103.4	122.1	124.6	100.5	77.0	52.6	37.4
151.5	40.5	63.1	101.1	119.9	122.4	97.0	75.2	51.8	37.5
152.0	40.4	61.5	98.8	117.4	120.2	93.7	73.4	51.0	37.6
152.5	40.3	60.1	96.5	115.2	118.2	91.1	71.8	50.3	37.7
153.0	40.3	58.9	94.2	112.9	115.8	88.9	70.4	49.7	37.9
153.5	40.1	57.8	91.9	110.5	113.7	86.4	69.0	49.1	37.9
154.0	40.1	56.7	89.4	108.3	111.4	84.1	67.5	48.5	38.0
154.5	40.0	55.6	86.9	105.9	109.3	81.9	66.1	47.8	38.1
155.0	39.9	54.5	84.5	103.9	107.1	79.7	64.8	47.2	38.1
155.5	39.9	53.4	82.2	101.7	105.0	77.4	63.4	46.6	38.2
156.0	39.9	52.4	80.1	99.5	102.9	75.1	62.1	46.0	38.4
156.5	39.9	51.4	78.1	97.2	100.7	73.0	60.8	45.3	38.5
157.0	39.9	50.4	76.3	94.3	98.5	71.1	59.4	44.7	38.7
157.5	39.9	49.4	74.5	91.3	96.4	69.2	58.1	44.0	38.8
158.0	39.9	48.5	72.7	88.4	94.3	67.4	56.9	43.4	38.9
158.5	40.0	47.6	71.1	85.9	92.1	65.6	55.7	42.8	38.9
159.0	40.1	46.6	69.5	83.4	89.9	63.9	54.6	42.1	39.0
159.5	40.3	45.7	67.9	81.0	87.8	62.0	53.5	41.5	39.0
160.0	40.4	44.9	66.2	79.0	85.6	59.9	52.4	40.9	39.1
160.5	40.5	44.0	64.7	77.1	83.2	57.8	51.4	40.3	39.2
161.0	40.6	43.2	62.9	75.1	80.5	55.7	50.3	39.6	39.3
161.5	40.7	42.8	61.2	73.1	77.9	53.5	49.0	39.0	39.5
162.0	40.8	42.5	59.7	71.0	75.6	51.2	47.8	38.4	39.6
162.5	40.9	42.3	58.3	69.0	73.4	49.3	46.7	38.0	39.7
163.0	41.0	42.4	56.9	67.0	71.2	47.4	45.6	37.8	39.7
163.5	41.0	42.6	55.5	65.1	69.2	45.7	44.6	37.7	39.8
164.0	41.1	42.8	54.2	63.3	67.3	44.1	43.6	37.7	39.9
164.5	41.0	43.1	52.9	61.5	65.2	42.5	42.6	37.5	40.0
165.0	41.0	43.6	51.7	59.7	63.1	41.0	41.7	37.7	40.1
165.5	41.1	44.3	50.5	58.0	61.2	39.6	40.8	38.3	40.2
166.0	41.2	44.6	49.3	56.2	59.2	38.2	40.0	38.8	40.3
166.5	41.2	44.5	48.1	54.3	57.2	36.7	39.2	39.3	40.4

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

CANDELA TABULATION - (Cont.)

167.0	41.3	44.3	47.0	52.5	55.4	35.3	38.5	39.9	40.5
167.5	41.4	44.0	45.9	50.8	54.0	33.8	37.8	40.5	40.6
168.0	41.4	43.8	44.8	49.3	52.3	32.2	37.0	40.7	40.7
168.5	41.5	43.4	43.8	47.7	50.4	30.9	36.3	40.4	40.8
169.0	41.6	43.2	42.8	46.3	48.6	29.6	35.6	40.2	40.8
169.5	41.6	42.9	42.2	45.0	47.3	28.5	35.1	40.3	40.9
170.0	41.7	42.6	42.2	43.7	46.1	27.6	34.6	40.3	41.0
170.5	41.7	42.4	42.1	42.4	41.9	26.9	34.5	40.4	41.1
171.0	41.7	42.2	42.4	41.0	35.7	26.4	34.5	40.4	41.2
171.5	41.7	41.9	43.3	39.9	33.8	26.0	34.5	40.3	41.2
172.0	41.7	41.8	43.8	39.4	32.7	25.8	35.2	40.2	41.2
172.5	41.7	41.7	44.1	39.2	28.3	26.2	36.1	40.1	41.3
173.0	41.6	41.5	43.6	38.8	23.0	26.6	36.7	40.1	41.2
173.5	41.7	41.5	43.0	39.2	22.1	27.3	37.1	40.0	41.3
174.0	41.6	41.4	42.4	39.9	22.2	28.6	36.9	40.0	41.3
174.5	41.6	41.4	41.9	39.8	22.7	29.6	36.6	40.1	41.3
175.0	41.6	41.4	41.6	39.1	22.9	30.2	36.4	40.2	41.4
175.5	41.7	41.3	41.3	38.3	22.7	30.3	36.3	40.2	41.4
176.0	41.7	41.3	41.1	37.7	22.6	30.5	36.2	40.4	41.5
176.5	41.7	41.2	41.0	37.0	22.5	30.6	36.7	40.5	41.6
177.0	41.8	41.1	40.8	36.4	22.4	30.8	37.2	40.5	41.7
177.5	41.9	41.1	40.6	36.0	22.5	31.2	37.6	40.5	41.7
178.0	41.9	41.0	40.5	35.5	22.6	31.9	38.0	40.5	41.8
178.5	42.0	41.0	40.3	35.1	22.7	32.4	38.5	40.7	41.8
179.0	41.9	40.9	40.0	34.7	22.9	32.8	39.0	40.8	41.8
179.5	41.9	40.9	39.8	34.2	22.9	33.3	39.4	40.8	41.9
180.0	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6

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

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1690.8	N.A.	10.80
0-30	3632.41	N.A.	23.20
0-40	5979.94	N.A.	38.20
0-60	10636.62	N.A.	67.90
0-80	13799.63	N.A.	88.00
0-90	14503.97	N.A.	92.50
10-90	14072.77	N.A.	89.80
20-40	4289.14	N.A.	27.40
20-50	6700.16	N.A.	42.70
40-70	6531.94	N.A.	41.70
60-80	3163.01	N.A.	20.20
70-80	1287.76	N.A.	8.20
80-90	704.34	N.A.	4.50
90-110	587.97	N.A.	3.80
90-120	775.54	N.A.	4.90
90-130	935.68	N.A.	6.00
90-150	1118.25	N.A.	7.10
90-180	1169.89	N.A.	7.50
110-180	581.93	N.A.	3.70
0-180	15673.86	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	431.20
10-20	1259.6
20-30	1941.61
30-40	2347.52
40-50	2411.03
50-60	2245.66
60-70	1875.25
70-80	1287.76
80-90	704.34
90-100	360.31
100-110	227.66
110-120	187.57
120-130	160.14
130-140	114.14
140-150	68.43
150-160	34.21
160-170	13.88
170-180	3.56

IES INDOOR REPORT
PHOTOMETRIC FILENAME : HIGH-4-835-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

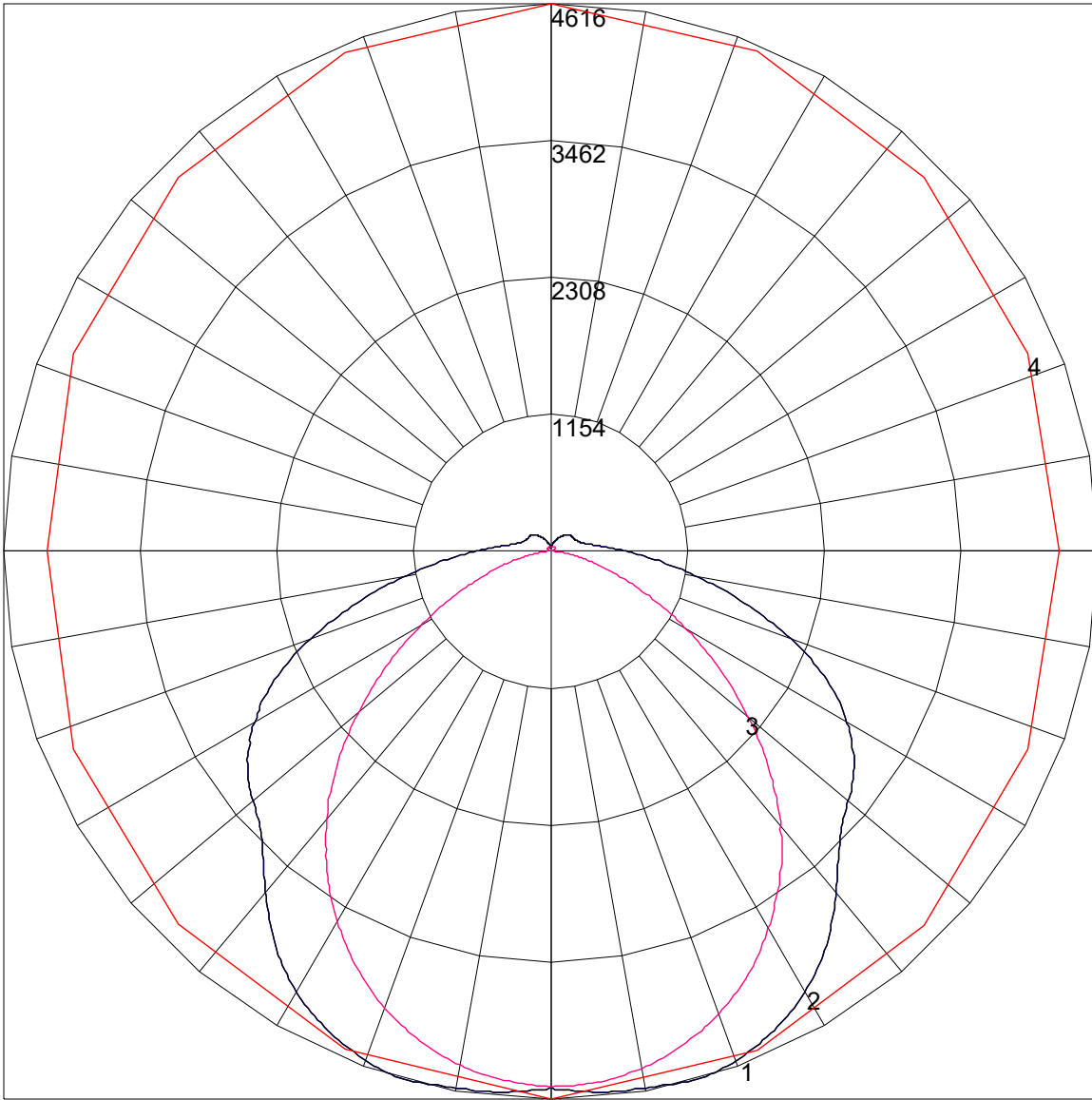
IES INDOOR REPORT
PHOTOMETRIC FILENAME : HIGH-4-835-U10-SM-CP.IES

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	29.0	30.4	29.5	30.9	31.4
	4H	23.2	24.5	23.7	25.0	25.6	30.1	31.3	30.6	31.9	32.4
	6H	23.3	24.5	23.9	25.0	25.6	31.0	32.2	31.5	32.7	33.3
	8H	23.3	24.5	23.9	25.0	25.6	31.4	32.6	32.0	33.1	33.7
	12H	23.3	24.4	23.9	25.0	25.6	31.9	33.0	32.4	33.5	34.1
4H	2H	23.6	24.9	24.1	25.4	25.9	26.9	28.2	27.4	28.7	29.2
	3H	24.8	25.9	25.3	26.4	27.0	29.6	30.7	30.2	31.3	31.9
	4H	25.1	26.1	25.7	26.7	27.3	30.8	31.8	31.4	32.4	33.0
	6H	25.3	26.2	25.8	26.7	27.4	32.0	32.8	32.5	33.4	34.1
	8H	25.3	26.1	25.9	26.7	27.4	32.5	33.3	33.1	33.9	34.5
	12H	25.3	26.1	25.9	26.7	27.3	33.0	33.8	33.6	34.4	35.0
8H	4H	26.3	27.1	26.8	27.7	28.3	31.0	31.8	31.6	32.4	33.1
	6H	26.6	27.3	27.2	28.0	28.6	32.3	33.0	32.9	33.6	34.3
	8H	26.7	27.3	27.3	28.0	28.6	32.9	33.6	33.5	34.2	34.8
	12H	26.7	27.3	27.4	27.9	28.7	33.6	34.2	34.2	34.8	35.5
12H	4H	26.5	27.3	27.1	27.9	28.5	31.0	31.7	31.6	32.4	33.0
	6H	27.1	27.7	27.7	28.3	29.0	32.3	33.0	32.9	33.5	34.3
	8H	27.2	27.8	27.9	28.4	29.2	33.0	33.6	33.6	34.2	34.9

Maximum UGR = 35.5

POLAR GRAPH



Maximum Candela = 4616 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.)