

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 14K 360P-4-D-835-U10-WA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] 13551818.02  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUE DATE] 11/4/2020  
 [MANUFAC] Lux Dynamics  
 [LUMCAT] 360P-4-D-835-xxx-xx-WA (modified from 2' IES file)  
 [LUMINAIRE] Gray cylindrical metal housing with diffuse plastic lens  
 [LAMP] White 306 LEDs  
 [BALLAST] One (1) OSRAM OPTOTRONIC OTi 85/120-277/2A3 DIM L HB  
 [OTHER] 24.3 C, 277.014 V, 0.201103 A, 53.0834 W, 0.95288 PF, 59.9748  
 [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	13744
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	106.0268
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.83 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.06 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	25726	25097	25974
55	23574	23085	24715
65	20789	21213	23937
75	16316	20088	24018
85	7442	21301	27425

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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>	4266.0	4266.0	4266.0	4266.0	4266.0
<b>0.5</b>	4246.0	4258.0	4266.0	4276.0	4284.0
<b>1.0</b>	4244.0	4258.0	4266.0	4278.0	4284.0
<b>1.5</b>	4244.0	4258.0	4264.0	4274.0	4282.0
<b>2.0</b>	4240.0	4254.0	4264.0	4274.0	4280.0
<b>2.5</b>	4240.0	4250.0	4262.0	4272.0	4276.0
<b>3.0</b>	4236.0	4250.0	4256.0	4268.0	4276.0
<b>3.5</b>	4232.0	4244.0	4256.0	4266.0	4276.0
<b>4.0</b>	4232.0	4240.0	4254.0	4262.0	4268.0
<b>4.5</b>	4224.0	4238.0	4248.0	4260.0	4268.0
<b>5.0</b>	4220.0	4232.0	4242.0	4258.0	4264.0
<b>5.5</b>	4212.0	4226.0	4240.0	4254.0	4260.0
<b>6.0</b>	4206.0	4222.0	4232.0	4248.0	4254.0
<b>6.5</b>	4202.0	4216.0	4226.0	4242.0	4248.0
<b>7.0</b>	4198.0	4210.0	4220.0	4238.0	4246.0
<b>7.5</b>	4188.0	4204.0	4216.0	4230.0	4240.0
<b>8.0</b>	4178.0	4194.0	4208.0	4224.0	4234.0
<b>8.5</b>	4168.0	4184.0	4200.0	4218.0	4224.0
<b>9.0</b>	4160.0	4178.0	4192.0	4212.0	4216.0
<b>9.5</b>	4150.0	4168.0	4184.0	4200.0	4208.0
<b>10.0</b>	4142.0	4158.0	4174.0	4194.0	4202.0
<b>10.5</b>	4134.0	4146.0	4164.0	4184.0	4194.0
<b>11.0</b>	4122.0	4138.0	4156.0	4178.0	4188.0
<b>11.5</b>	4106.0	4128.0	4148.0	4166.0	4176.0
<b>12.0</b>	4096.0	4116.0	4134.0	4158.0	4170.0
<b>12.5</b>	4084.0	4102.0	4124.0	4146.0	4156.0
<b>13.0</b>	4072.0	4092.0	4114.0	4138.0	4148.0
<b>13.5</b>	4058.0	4078.0	4100.0	4128.0	4138.0
<b>14.0</b>	4046.0	4062.0	4086.0	4120.0	4128.0
<b>14.5</b>	4034.0	4048.0	4074.0	4106.0	4118.0
<b>15.0</b>	4016.0	4036.0	4060.0	4096.0	4104.0
<b>15.5</b>	4002.0	4020.0	4048.0	4082.0	4094.0
<b>16.0</b>	3986.0	4004.0	4034.0	4070.0	4080.0
<b>16.5</b>	3966.0	3990.0	4018.0	4058.0	4068.0
<b>17.0</b>	3950.0	3972.0	4004.0	4044.0	4056.0
<b>17.5</b>	3936.0	3954.0	3988.0	4028.0	4040.0
<b>18.0</b>	3918.0	3936.0	3972.0	4014.0	4028.0
<b>18.5</b>	3898.0	3918.0	3956.0	3998.0	4016.0
<b>19.0</b>	3878.0	3898.0	3940.0	3986.0	4002.0
<b>19.5</b>	3860.0	3882.0	3924.0	3972.0	3984.0
<b>20.0</b>	3842.0	3866.0	3906.0	3954.0	3968.0
<b>20.5</b>	3820.0	3844.0	3888.0	3938.0	3956.0
<b>21.0</b>	3804.0	3824.0	3872.0	3920.0	3938.0
<b>21.5</b>	3780.0	3804.0	3852.0	3906.0	3926.0
<b>22.0</b>	3766.0	3784.0	3834.0	3890.0	3908.0
<b>22.5</b>	3742.0	3762.0	3814.0	3870.0	3890.0
<b>23.0</b>	3718.0	3744.0	3798.0	3854.0	3870.0
<b>23.5</b>	3696.0	3720.0	3770.0	3836.0	3854.0
<b>24.0</b>	3674.0	3696.0	3756.0	3818.0	3836.0
<b>24.5</b>	3650.0	3672.0	3736.0	3798.0	3820.0
<b>25.0</b>	3626.0	3650.0	3714.0	3780.0	3802.0
<b>25.5</b>	3602.0	3626.0	3694.0	3760.0	3780.0
<b>26.0</b>	3576.0	3602.0	3672.0	3740.0	3764.0
<b>26.5</b>	3552.0	3582.0	3652.0	3720.0	3742.0

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**CANDELA TABULATION - (Cont.)**

27.0	3526.0	3554.0	3630.0	3698.0	3720.0
27.5	3498.0	3530.0	3606.0	3678.0	3700.0
28.0	3472.0	3506.0	3584.0	3660.0	3680.0
28.5	3448.0	3484.0	3562.0	3638.0	3658.0
29.0	3420.0	3458.0	3540.0	3614.0	3640.0
29.5	3396.0	3430.0	3518.0	3594.0	3616.0
30.0	3368.0	3404.0	3492.0	3572.0	3596.0
30.5	3346.0	3378.0	3468.0	3552.0	3574.0
31.0	3314.0	3352.0	3444.0	3530.0	3554.0
31.5	3290.0	3324.0	3422.0	3508.0	3534.0
32.0	3262.0	3298.0	3398.0	3486.0	3512.0
32.5	3234.0	3270.0	3372.0	3460.0	3488.0
33.0	3202.0	3242.0	3346.0	3440.0	3464.0
33.5	3178.0	3218.0	3322.0	3414.0	3440.0
34.0	3154.0	3188.0	3294.0	3392.0	3420.0
34.5	3124.0	3162.0	3270.0	3366.0	3396.0
35.0	3094.0	3132.0	3244.0	3342.0	3372.0
35.5	3064.0	3104.0	3218.0	3316.0	3352.0
36.0	3038.0	3076.0	3190.0	3290.0	3326.0
36.5	3008.0	3046.0	3162.0	3266.0	3298.0
37.0	2976.0	3020.0	3136.0	3240.0	3274.0
37.5	2946.0	2992.0	3108.0	3216.0	3250.0
38.0	2914.0	2962.0	3080.0	3192.0	3228.0
38.5	2882.0	2930.0	3052.0	3166.0	3202.0
39.0	2850.0	2904.0	3024.0	3142.0	3178.0
39.5	2820.0	2872.0	2996.0	3116.0	3154.0
40.0	2788.0	2844.0	2970.0	3088.0	3130.0
40.5	2756.0	2816.0	2942.0	3062.0	3104.0
41.0	2720.0	2784.0	2914.0	3034.0	3078.0
41.5	2692.0	2756.0	2884.0	3010.0	3048.0
42.0	2662.0	2726.0	2854.0	2984.0	3024.0
42.5	2630.0	2696.0	2824.0	2956.0	2998.0
43.0	2602.0	2664.0	2796.0	2930.0	2972.0
43.5	2568.0	2638.0	2768.0	2902.0	2946.0
44.0	2536.0	2606.0	2738.0	2876.0	2920.0
44.5	2504.0	2574.0	2710.0	2850.0	2894.0
45.0	2472.0	2542.0	2682.0	2824.0	2868.0
45.5	2438.0	2514.0	2652.0	2796.0	2842.0
46.0	2410.0	2482.0	2622.0	2768.0	2818.0
46.5	2382.0	2450.0	2594.0	2742.0	2790.0
47.0	2356.0	2420.0	2566.0	2714.0	2760.0
47.5	2324.0	2390.0	2536.0	2688.0	2740.0
48.0	2292.0	2358.0	2508.0	2658.0	2712.0
48.5	2260.0	2330.0	2478.0	2630.0	2686.0
49.0	2228.0	2300.0	2452.0	2602.0	2658.0
49.5	2198.0	2268.0	2420.0	2578.0	2636.0
50.0	2164.0	2236.0	2392.0	2550.0	2604.0
50.5	2134.0	2206.0	2362.0	2524.0	2578.0
51.0	2100.0	2174.0	2332.0	2498.0	2552.0
51.5	2070.0	2142.0	2304.0	2472.0	2528.0
52.0	2038.0	2110.0	2276.0	2444.0	2506.0
52.5	2006.0	2080.0	2248.0	2416.0	2480.0
53.0	1974.6	2048.0	2218.0	2388.0	2456.0
53.5	1943.2	2016.0	2188.0	2364.0	2426.0
54.0	1912.2	1985.6	2158.0	2334.0	2400.0
54.5	1881.4	1954.6	2128.0	2308.0	2378.0

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55.0	1850.2	1923.6	2100.0	2284.0	2350.0
55.5	1818.8	1892.2	2070.0	2260.0	2320.0
56.0	1787.8	1861.6	2040.0	2234.0	2298.0
56.5	1757.0	1830.8	2012.0	2208.0	2272.0
57.0	1726.4	1799.2	1983.0	2180.0	2250.0
57.5	1694.8	1768.6	1954.0	2154.0	2224.0
58.0	1662.8	1737.4	1925.2	2128.0	2198.0
58.5	1631.4	1706.6	1896.4	2102.0	2172.0
59.0	1600.2	1675.4	1867.8	2074.0	2144.0
59.5	1568.6	1644.6	1839.8	2048.0	2120.0
60.0	1536.4	1613.2	1811.2	2022.0	2094.0
60.5	1505.0	1581.8	1782.8	1994.8	2068.0
61.0	1473.0	1550.2	1754.4	1968.4	2042.0
61.5	1441.4	1519.0	1726.6	1942.0	2016.0
62.0	1409.0	1488.0	1698.6	1915.8	1991.8
62.5	1376.8	1456.8	1670.8	1890.0	1966.8
63.0	1345.0	1425.6	1643.4	1864.2	1941.6
63.5	1312.6	1394.2	1615.8	1838.4	1915.8
64.0	1280.8	1363.4	1588.0	1812.6	1890.4
64.5	1248.6	1332.2	1560.8	1787.0	1865.6
65.0	1216.0	1301.2	1533.8	1761.2	1839.8
65.5	1183.8	1270.4	1506.8	1735.8	1814.6
66.0	1152.2	1240.0	1479.8	1710.6	1790.0
66.5	1120.0	1209.8	1453.4	1685.0	1765.2
67.0	1089.0	1179.8	1426.8	1659.8	1739.8
67.5	1057.0	1150.2	1400.8	1634.8	1715.4
68.0	1025.8	1120.8	1375.2	1610.0	1690.6
68.5	994.4	1091.6	1349.8	1585.6	1666.2
69.0	962.6	1062.6	1324.4	1561.4	1641.6
69.5	931.4	1033.6	1299.2	1537.0	1617.0
70.0	900.4	1005.4	1274.2	1512.6	1592.8
70.5	869.6	977.0	1249.2	1488.4	1568.6
71.0	839.0	948.6	1224.4	1464.0	1543.8
71.5	808.4	921.0	1200.0	1439.6	1519.8
72.0	778.0	893.2	1175.8	1415.2	1495.8
72.5	748.4	865.6	1151.8	1391.6	1471.8
73.0	717.6	838.4	1127.6	1367.4	1447.4
73.5	688.2	811.8	1103.8	1343.4	1423.2
74.0	658.2	785.4	1080.2	1319.4	1399.0
74.5	628.4	759.0	1056.8	1296.0	1375.8
75.0	599.2	733.0	1033.4	1272.4	1352.2
75.5	570.0	707.6	1010.2	1249.8	1328.8
76.0	541.0	682.6	986.8	1226.2	1306.0
76.5	512.6	658.0	964.6	1203.4	1283.0
77.0	484.2	633.8	941.4	1180.2	1259.4
77.5	456.4	610.4	919.4	1157.8	1237.8
78.0	429.0	587.0	897.2	1135.6	1215.2
78.5	401.6	564.2	875.2	1113.6	1193.6
79.0	375.4	542.0	853.2	1091.6	1171.8
79.5	349.2	519.8	831.4	1069.6	1149.8
80.0	323.2	498.2	810.6	1048.2	1128.6
80.5	298.0	477.4	789.6	1027.0	1107.6
81.0	273.4	456.6	769.0	1006.2	1087.2
81.5	249.8	436.2	748.8	985.2	1066.8
82.0	226.4	416.4	728.8	965.2	1045.8
82.5	203.8	397.2	709.2	945.4	1026.6

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**CANDELA TABULATION - (Cont.)**

83.0	182.0	378.2	690.0	925.4	1007.0
83.5	160.8	359.8	671.2	906.6	988.2
84.0	140.6	342.0	653.0	887.8	969.8
84.5	121.4	325.2	635.2	869.4	951.0
85.0	103.0	308.4	618.2	851.0	933.2
85.5	85.6	293.0	601.0	833.6	916.2
86.0	69.6	277.8	585.2	817.0	899.0
86.5	54.6	263.6	569.4	800.8	883.6
87.0	40.8	250.0	554.6	785.2	868.0
87.5	28.6	237.2	541.0	770.6	852.6
88.0	17.8	225.8	527.8	756.4	838.0
88.5	8.8	215.2	515.0	742.4	824.4
89.0	3.0	205.8	503.2	729.6	811.2
89.5	0.0	197.0	492.2	717.4	797.8
90.0	0.0	189.2	481.6	705.4	785.6
90.5	0.0	182.2	471.6	694.2	774.0
91.0	0.0	175.8	462.6	683.0	762.6
91.5	0.0	170.2	454.0	673.0	751.6
92.0	0.0	165.2	446.0	663.2	741.2
92.5	0.0	160.6	438.4	653.8	731.6
93.0	0.0	156.6	431.4	645.0	722.4
93.5	0.0	152.6	424.6	636.6	713.4
94.0	0.0	149.0	418.0	628.4	705.0
94.5	0.0	145.4	412.2	620.8	696.8
95.0	0.0	141.8	406.4	613.6	688.8
95.5	0.0	138.4	400.6	606.0	681.4
96.0	0.0	135.0	395.0	599.4	674.4
96.5	0.0	131.8	389.4	592.4	666.8
97.0	0.0	128.6	384.0	586.0	659.4
97.5	0.0	125.8	378.2	579.0	652.6
98.0	0.0	123.0	372.8	572.2	645.4
98.5	0.0	120.4	366.8	565.4	638.4
99.0	0.0	118.0	361.0	558.8	631.4
99.5	0.0	115.6	355.0	552.2	624.8
100.0	0.0	113.6	349.4	545.2	617.6
100.5	0.0	111.8	343.6	538.4	610.6
101.0	0.0	110.2	338.0	531.6	603.4
101.5	0.0	109.0	332.2	524.4	596.2
102.0	0.0	108.0	326.8	517.4	588.6
102.5	0.0	107.2	321.2	510.4	581.4
103.0	0.0	106.8	315.8	503.4	573.8
103.5	0.0	106.4	310.8	496.4	566.0
104.0	0.0	106.0	305.6	489.4	559.0
104.5	0.0	105.6	300.6	482.2	551.2
105.0	0.0	105.2	295.6	475.2	543.6
105.5	0.0	104.8	290.8	468.4	535.8
106.0	0.0	104.4	285.6	461.4	528.4
106.5	0.0	103.8	281.2	454.8	521.0
107.0	0.0	103.2	276.8	448.0	513.2
107.5	0.0	102.6	272.6	441.6	506.2
108.0	0.0	101.8	268.6	435.0	499.4
108.5	0.0	100.8	264.8	428.6	492.2
109.0	0.0	99.8	261.0	422.0	485.0
109.5	0.0	98.8	257.4	415.6	478.2
110.0	0.0	97.8	254.6	409.4	471.0
110.5	0.0	96.6	251.8	403.2	464.2

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**CANDELA TABULATION - (Cont.)**

111.0	0.0	95.6	249.4	397.0	456.6
111.5	0.0	94.4	247.2	391.0	450.8
112.0	0.0	93.4	245.0	385.4	443.8
112.5	0.0	92.4	243.4	379.6	437.6
113.0	0.0	91.2	242.0	374.4	431.2
113.5	0.0	90.0	240.8	369.4	425.4
114.0	0.0	89.0	239.8	364.4	419.4
114.5	0.0	87.8	238.6	359.6	413.2
115.0	0.0	86.6	237.4	355.2	407.6
115.5	0.0	85.2	236.4	351.2	402.0
116.0	0.0	84.0	235.4	347.2	397.0
116.5	0.0	82.8	233.8	343.6	391.8
117.0	0.0	81.6	232.6	340.4	386.6
117.5	0.0	80.6	231.2	337.4	382.0
118.0	0.0	79.4	229.8	334.8	377.8
118.5	0.0	78.4	228.4	332.2	374.0
119.0	0.0	77.4	226.8	329.8	370.4
119.5	0.0	76.2	225.4	327.6	367.0
120.0	0.0	75.2	223.8	325.4	364.2
120.5	0.0	74.2	222.0	323.2	360.8
121.0	0.0	73.0	220.0	321.0	358.2
121.5	0.0	72.0	218.0	318.8	355.8
122.0	0.0	70.8	215.8	316.8	353.2
122.5	0.0	69.6	213.4	314.6	350.6
123.0	0.0	68.6	211.2	312.6	348.2
123.5	0.0	67.6	208.8	310.2	345.8
124.0	0.0	66.6	206.4	308.4	343.0
124.5	0.0	65.4	203.8	306.0	340.4
125.0	0.0	64.4	201.4	303.6	337.2
125.5	0.0	63.2	198.8	301.2	335.0
126.0	0.0	62.0	196.2	298.4	332.2
126.5	0.0	60.8	193.6	295.8	330.0
127.0	0.0	59.8	191.0	293.2	327.6
127.5	0.0	58.6	188.2	290.0	324.6
128.0	0.0	57.4	185.6	287.2	321.8
128.5	0.0	56.2	182.8	283.8	318.8
129.0	0.0	55.0	180.2	280.6	315.6
129.5	0.0	54.0	177.4	277.2	312.4
130.0	0.0	52.6	174.6	273.6	308.8
130.5	0.0	51.4	171.6	270.2	305.0
131.0	0.0	50.2	168.4	266.4	301.2
131.5	0.0	49.0	165.2	262.8	297.6
132.0	0.0	47.8	162.0	259.2	293.6
132.5	0.0	46.4	159.0	255.4	289.8
133.0	0.0	45.0	156.4	251.8	285.8
133.5	0.0	43.8	153.6	247.8	282.0
134.0	0.0	42.6	151.0	243.8	277.8
134.5	0.0	41.2	148.4	240.0	273.6
135.0	0.0	40.0	145.6	236.2	269.2
135.5	0.0	38.8	143.0	232.2	265.2
136.0	0.0	37.6	140.2	228.2	260.8
136.5	0.0	36.4	137.4	224.0	256.2
137.0	0.0	35.4	134.8	220.0	252.4
137.5	0.0	34.2	132.2	215.6	247.6
138.0	0.0	33.0	129.6	211.0	243.4
138.5	0.0	31.8	127.0	206.4	239.2

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

139.0	0.0	30.6	124.4	201.8	234.8
139.5	0.0	29.6	122.0	197.0	230.2
140.0	0.0	28.4	119.4	192.2	225.6
140.5	0.0	27.2	117.0	187.8	221.0
141.0	0.0	25.8	114.4	183.6	216.4
141.5	0.0	24.6	111.8	179.6	211.6
142.0	0.0	23.4	109.4	176.0	207.0
142.5	0.0	22.0	106.8	172.2	202.2
143.0	0.0	20.6	104.0	168.4	197.4
143.5	0.0	19.4	101.4	164.6	193.0
144.0	0.0	18.2	99.0	160.2	188.6
144.5	0.0	16.8	96.2	155.4	184.2
145.0	0.0	15.6	93.8	151.0	179.8
145.5	0.0	14.2	91.0	147.2	175.6
146.0	0.0	13.0	88.4	144.0	171.0
146.5	0.0	11.6	85.6	140.6	165.6
147.0	0.0	10.4	82.6	137.2	160.0
147.5	0.0	9.4	79.6	133.6	154.6
148.0	0.0	8.4	76.8	130.2	149.2
148.5	0.0	7.4	74.2	126.6	143.0
149.0	0.0	6.4	71.4	123.2	137.6
149.5	0.0	5.2	68.6	119.8	133.6
150.0	0.0	4.2	65.8	116.2	130.0
150.5	0.0	3.2	63.2	111.8	125.2
151.0	0.0	2.2	60.6	107.4	119.0
151.5	0.0	1.6	58.0	103.4	114.4
152.0	0.0	1.0	55.2	99.6	111.2
152.5	0.0	0.6	52.4	95.8	108.8
153.0	0.0	0.4	49.8	92.2	105.4
153.5	0.0	0.2	47.0	89.0	101.6
154.0	0.0	0.0	44.4	85.6	98.0
154.5	0.0	0.0	41.8	82.0	94.2
155.0	0.0	0.0	39.2	78.6	90.6
155.5	0.0	0.0	36.6	75.4	87.2
156.0	0.0	0.0	34.2	72.2	84.0
156.5	0.0	0.0	31.8	68.8	80.8
157.0	0.0	0.0	29.4	65.4	77.2
157.5	0.0	0.0	27.0	62.0	73.0
158.0	0.0	0.0	24.6	58.6	69.0
158.5	0.0	0.0	22.2	55.2	65.0
159.0	0.0	0.0	19.8	51.8	61.2
159.5	0.0	0.0	17.6	48.4	57.4
160.0	0.0	0.0	15.2	45.0	53.8
160.5	0.0	0.0	13.0	41.8	50.4
161.0	0.0	0.0	10.6	38.4	46.8
161.5	0.0	0.0	8.6	35.0	43.4
162.0	0.0	0.0	6.8	31.4	40.0
162.5	0.0	0.0	5.2	28.0	36.6
163.0	0.0	0.0	3.6	24.4	33.4
163.5	0.0	0.0	2.6	21.2	30.2
164.0	0.0	0.0	1.4	18.0	26.8
164.5	0.0	0.0	0.6	15.0	23.4
165.0	0.0	0.0	0.0	11.8	20.0
165.5	0.0	0.0	0.0	8.8	16.4
166.0	0.0	0.0	0.0	6.0	13.2
166.5	0.0	0.0	0.0	4.4	9.8

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

167.0	0.0	0.0	0.0	2.8	6.6
167.5	0.0	0.0	0.0	1.4	5.0
168.0	0.0	0.0	0.0	0.2	3.2
168.5	0.0	0.0	0.0	0.0	1.4
169.0	0.0	0.0	0.0	0.0	0.0
169.5	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0
170.5	0.0	0.0	0.0	0.0	0.0
171.0	0.0	0.0	0.0	0.0	0.0
171.5	0.0	0.0	0.0	0.0	0.0
172.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0
173.0	0.0	0.0	0.0	0.0	0.0
173.5	0.0	0.0	0.0	0.0	0.0
174.0	0.0	0.0	0.0	0.0	0.0
174.5	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0
175.5	0.0	0.0	0.0	0.0	0.0
176.0	0.0	0.0	0.0	0.0	0.0
176.5	0.0	0.0	0.0	0.0	0.0
177.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0
178.0	0.0	0.0	0.0	0.0	0.0
178.5	0.0	0.0	0.0	0.0	0.0
179.0	0.0	0.0	0.0	0.0	0.0
179.5	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0



**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1548.32	N.A.	11.30
0-30	3258.9	N.A.	23.70
0-40	5283.59	N.A.	38.40
0-60	9232.97	N.A.	67.20
0-80	11815.03	N.A.	86.00
0-90	12452.61	N.A.	90.60
10-90	12049.73	N.A.	87.70
20-40	3735.28	N.A.	27.20
20-50	5803.67	N.A.	42.20
40-70	5467.54	N.A.	39.80
60-80	2582.06	N.A.	18.80
70-80	1063.9	N.A.	7.70
80-90	637.58	N.A.	4.60
90-110	718.74	N.A.	5.20
90-120	939.69	N.A.	6.80
90-130	1105.03	N.A.	8.00
90-150	1268.96	N.A.	9.20
90-180	1291.05	N.A.	9.40
110-180	572.32	N.A.	4.20
0-180	13743.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	402.88
10-20	1145.44
20-30	1710.58
30-40	2024.7
40-50	2068.4
50-60	1880.98
60-70	1518.17
70-80	1063.9
80-90	637.58
90-100	414.08
100-110	304.65
110-120	220.95
120-130	165.34
130-140	108.15
140-150	55.79
150-160	19.66
160-170	2.43
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 14K 360P-4-D-835-U10-WA.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	117	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91
1	105	100	95	91	102	97	92	89	91	87	84	85	82	80	80	78	76	73	73
2	95	87	79	73	92	84	77	72	79	73	69	74	70	66	70	66	63	60	60
3	87	76	67	61	83	74	66	59	69	63	57	65	60	55	61	57	53	50	50
4	79	67	58	51	76	65	57	50	61	54	49	58	52	47	55	50	45	43	43
5	73	60	51	44	70	58	50	43	55	48	42	52	46	41	49	44	39	37	37
6	67	54	45	38	65	52	44	38	50	42	37	47	41	36	45	39	35	32	32
7	62	49	40	34	60	48	39	33	45	38	32	43	36	32	41	35	31	29	29
8	58	45	36	30	56	43	35	30	41	34	29	39	33	28	37	32	28	26	26
9	54	41	33	27	52	40	32	27	38	31	26	36	30	25	35	29	25	23	23
10	51	38	30	24	49	37	29	24	35	28	24	34	27	23	32	27	23	21	21

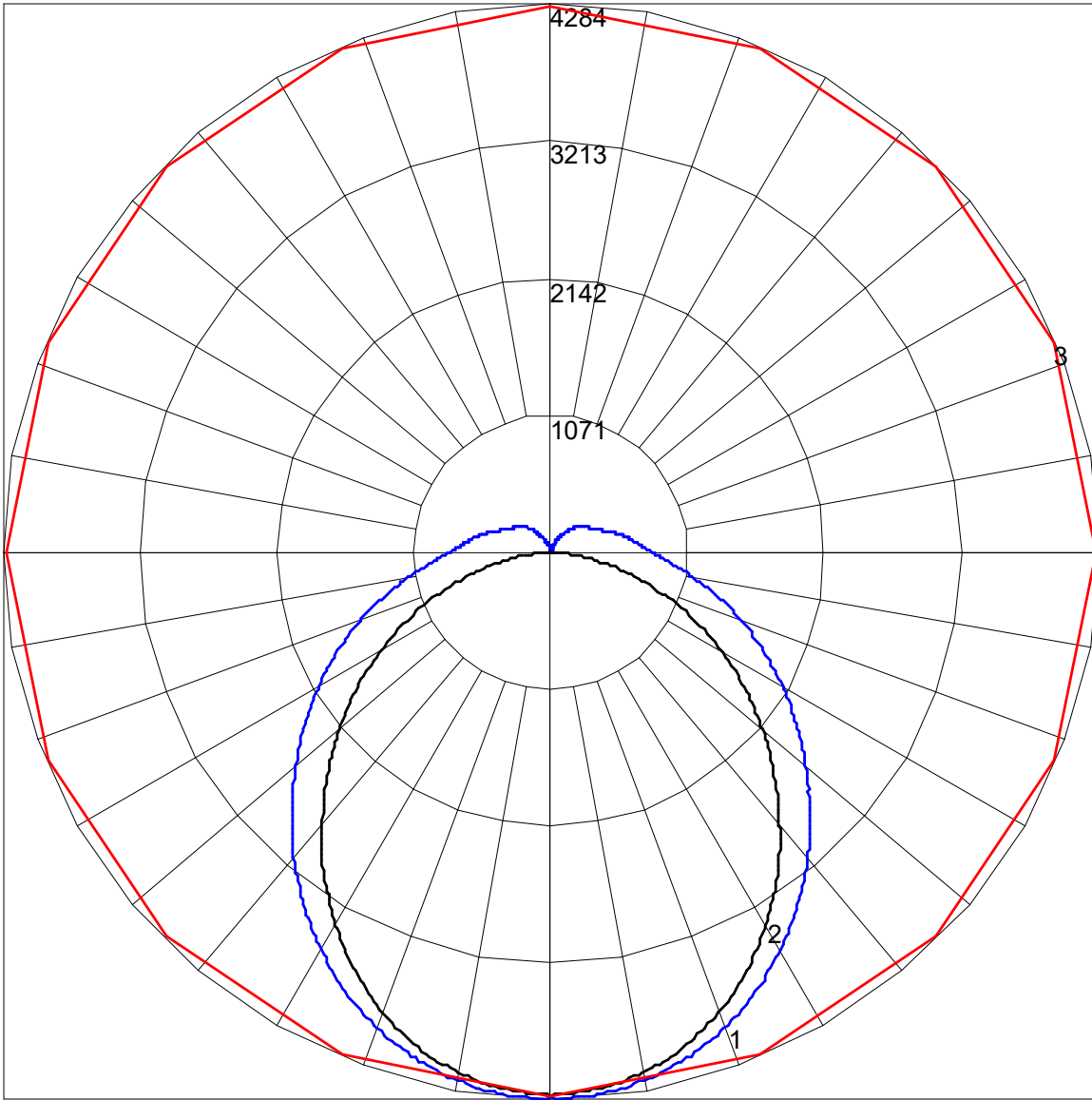
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 14K 360P-4-D-835-U10-WA.IES**

**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	21.2	22.7	21.7	23.2	23.7	23.1	24.6	23.6	25.1	25.6
	3H	22.7	24.1	23.2	24.6	25.1	25.5	26.9	26.1	27.4	27.9
	4H	23.2	24.5	23.7	25.0	25.6	26.7	27.9	27.2	28.5	29.0
	6H	23.5	24.7	24.0	25.2	25.8	27.8	29.0	28.4	29.6	30.2
	8H	23.5	24.7	24.1	25.2	25.8	28.5	29.6	29.0	30.1	30.8
	12H	23.5	24.6	24.1	25.2	25.8	29.1	30.2	29.7	30.8	31.4
4H	2H	22.1	23.3	22.6	23.9	24.4	23.6	24.8	24.1	25.4	26.0
	3H	23.8	24.9	24.4	25.5	26.1	26.2	27.3	26.8	27.9	28.5
	4H	24.4	25.4	25.0	26.0	26.6	27.5	28.5	28.1	29.1	29.7
	6H	24.8	25.7	25.4	26.3	26.9	28.9	29.8	29.5	30.4	31.1
	8H	24.9	25.7	25.5	26.3	27.0	29.7	30.5	30.2	31.1	31.7
	12H	25.0	25.7	25.6	26.3	27.0	30.5	31.2	31.1	31.8	32.5
8H	4H	25.1	25.9	25.7	26.5	27.2	27.8	28.6	28.4	29.2	29.9
	6H	25.7	26.4	26.3	27.0	27.7	29.4	30.1	30.0	30.7	31.4
	8H	25.9	26.5	26.5	27.2	27.8	30.2	30.9	30.9	31.5	32.2
	12H	26.0	26.6	26.6	27.2	27.9	31.2	31.8	31.9	32.4	33.2
12H	4H	25.3	26.0	25.9	26.7	27.3	27.8	28.5	28.4	29.2	29.8
	6H	26.0	26.6	26.7	27.2	28.0	29.4	30.0	30.1	30.7	31.4
	8H	26.3	26.8	26.9	27.5	28.2	30.4	30.9	31.0	31.5	32.3

Maximum UGR = 33.2

POLAR GRAPH



Maximum Candela = 4284 Located At Horizontal Angle = 90, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 3 - Horizontal Cone Through Vertical Angle (0)