



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 8K 360P-2-URDL-835-X-CA.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 13551818.09  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 11/4/2020  
 [MANUFAC] Lux Dynamics  
 [LUMCAT] 360P-2-URDL-835-xxx-xx-CA  
 [LUMINAIRE] Gray cylindrical metal housing with diffuse plastic lens  
 [LAMP] White 1224 LEDs  
 [BALLAST] One (1) OSRAM OPTOTRONIC OTi 85/120-277/2A3 DIM L HB  
 [OTHER] 25.1 C, 277.019 V, 0.190015 A, 49.785 W, 0.945805 PF, 59.9715  
 [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	8004
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	161
Total Luminaire Watts	49.785
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.38 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9571	9005	9551
55	8020	7510	9959
65	5526	8090	9801
75	2545	8257	9900
85	804	8742	10697

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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>
0.0	768.80	768.80	768.80	768.80	768.80
0.5	771.90	768.40	769.20	767.60	768.10
1.0	771.70	768.10	768.90	767.90	768.30
1.5	771.70	767.30	768.20	767.00	767.40
2.0	771.60	766.20	766.00	764.00	763.90
2.5	771.70	765.60	765.20	762.10	761.80
3.0	771.40	764.60	762.10	763.50	766.30
3.5	771.20	763.80	762.60	769.40	775.30
4.0	770.50	761.70	765.40	775.70	776.80
4.5	770.40	760.30	768.70	774.80	776.20
5.0	769.60	760.10	772.40	775.00	778.20
5.5	768.90	759.50	775.50	777.40	782.30
6.0	768.60	758.40	774.90	780.00	785.10
6.5	767.90	760.00	775.50	781.40	786.40
7.0	768.00	760.50	775.50	782.60	786.10
7.5	766.70	762.00	777.30	783.00	788.20
8.0	766.10	762.80	778.20	785.60	794.40
8.5	765.60	764.10	778.20	791.00	800.40
9.0	763.90	764.80	778.70	796.60	804.40
9.5	762.00	765.80	780.10	801.60	804.70
10.0	762.70	766.20	781.10	805.20	800.80
10.5	762.00	766.60	784.10	802.90	799.70
11.0	761.40	765.80	786.90	797.80	804.80
11.5	759.90	765.20	790.80	798.30	815.60
12.0	759.10	765.10	793.40	804.80	831.20
12.5	757.00	764.80	795.80	815.70	846.10
13.0	755.70	764.00	797.60	829.80	852.90
13.5	754.60	763.60	796.10	842.40	848.20
14.0	753.60	764.20	793.60	846.30	837.90
14.5	752.50	763.80	791.40	842.10	831.50
15.0	751.50	764.10	790.40	834.60	834.40
15.5	749.10	762.70	794.80	828.30	840.80
16.0	747.80	761.80	801.90	827.70	844.10
16.5	746.20	761.30	808.80	832.00	843.70
17.0	744.20	760.40	817.10	835.40	839.70
17.5	741.30	759.30	822.10	836.60	839.00
18.0	739.10	759.20	823.40	834.10	840.90
18.5	737.40	759.50	820.30	832.30	843.00
19.0	734.10	759.10	814.40	833.30	843.10
19.5	731.60	758.50	807.40	836.00	839.30
20.0	729.30	757.70	803.70	837.90	835.50
20.5	725.80	756.40	800.70	836.20	835.20
21.0	722.10	755.10	800.60	831.90	834.20
21.5	719.30	754.60	801.20	828.70	829.40
22.0	715.80	753.20	801.50	827.00	829.30
22.5	713.20	752.00	801.60	824.80	837.40
23.0	710.40	750.30	802.60	821.60	849.90
23.5	707.70	748.60	804.10	821.60	863.40
24.0	705.00	746.40	805.50	827.10	875.50
24.5	701.90	743.90	807.90	837.30	885.40
25.0	699.00	741.90	807.60	850.20	891.30
25.5	696.30	739.10	806.10	862.60	896.40
26.0	693.50	735.90	803.00	872.40	903.20
26.5	691.00	732.70	798.50	878.40	910.00

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**CANDELA TABULATION - (Cont.)**

27.0	688.20	729.10	795.40	881.20	914.70
27.5	685.20	726.20	792.00	884.50	912.30
28.0	682.20	723.10	789.30	890.10	903.80
28.5	679.30	719.50	786.00	896.10	895.70
29.0	675.70	716.30	783.90	898.60	893.50
29.5	672.70	712.80	784.90	895.80	896.00
30.0	668.80	709.40	786.80	888.40	901.20
30.5	665.30	705.30	791.90	880.10	907.80
31.0	661.30	701.90	797.50	876.30	917.70
31.5	657.30	698.10	803.70	878.50	932.20
32.0	653.30	694.70	811.00	883.60	947.70
32.5	649.30	691.70	815.80	889.80	960.40
33.0	645.40	689.00	816.90	896.70	967.70
33.5	642.00	686.90	814.80	906.20	966.20
34.0	638.70	684.80	811.50	919.00	957.00
34.5	635.00	683.00	810.70	931.90	945.70
35.0	631.40	680.70	811.30	940.90	937.40
35.5	628.20	678.00	812.20	943.90	932.70
36.0	624.90	675.00	812.20	937.30	930.00
36.5	621.50	671.90	812.00	922.40	928.90
37.0	618.30	668.70	810.20	908.30	926.30
37.5	614.90	665.30	808.10	899.60	922.70
38.0	611.40	662.40	806.70	896.10	919.00
38.5	607.80	659.70	808.30	894.00	915.30
39.0	603.80	657.30	809.00	890.70	912.00
39.5	599.90	655.10	808.60	886.80	909.30
40.0	595.20	652.50	806.40	884.70	904.30
40.5	590.30	649.80	801.40	884.90	900.70
41.0	585.30	646.60	798.30	882.20	900.90
41.5	580.00	642.70	796.40	876.20	901.50
42.0	574.50	638.80	795.70	867.40	900.70
42.5	569.00	634.90	797.70	857.20	899.90
43.0	563.50	631.00	798.20	852.70	898.20
43.5	557.90	627.00	797.70	854.90	896.80
44.0	552.20	623.00	794.70	858.50	897.10
44.5	546.60	618.80	790.10	857.40	899.30
45.0	540.90	614.60	785.50	852.00	902.90
45.5	534.70	610.60	781.60	846.30	905.40
46.0	528.70	606.80	776.60	843.80	905.40
46.5	522.70	603.70	770.50	844.70	905.70
47.0	516.40	601.40	762.20	845.30	905.10
47.5	509.50	599.80	749.90	841.60	905.90
48.0	502.90	598.20	736.00	837.60	910.80
48.5	495.80	596.10	721.00	838.70	918.00
49.0	488.80	593.10	709.00	845.40	923.40
49.5	481.30	588.80	701.30	850.80	923.60
50.0	473.90	583.80	694.80	854.00	923.20
50.5	466.20	578.20	685.20	856.10	924.60
51.0	458.60	572.10	674.70	858.20	926.30
51.5	450.50	565.60	665.80	859.70	927.70
52.0	442.70	558.50	660.70	861.40	929.20
52.5	434.50	551.20	657.60	860.60	932.20
53.0	426.10	543.30	654.70	858.90	935.60
53.5	418.10	535.70	649.30	856.60	939.50
54.0	409.70	528.30	643.10	857.60	939.60
54.5	401.40	520.90	638.10	863.90	934.40

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**CANDELA TABULATION - (Cont.)**

55.0	393.40	513.50	635.60	873.80	927.20
55.5	385.40	506.10	633.40	884.20	921.80
56.0	377.20	498.80	632.60	888.60	918.40
56.5	369.20	491.30	633.80	884.50	917.70
57.0	361.00	484.20	637.20	875.80	914.00
57.5	352.50	477.30	642.60	868.00	906.50
58.0	344.10	470.50	648.60	863.50	900.80
58.5	335.70	464.10	652.80	860.30	905.90
59.0	327.10	457.90	656.40	856.20	915.20
59.5	318.30	451.90	659.40	853.60	921.00
60.0	309.90	446.00	660.80	854.20	920.30
60.5	301.10	439.70	660.50	857.40	915.30
61.0	292.30	432.50	657.70	858.10	907.00
61.5	283.40	424.70	653.00	856.90	901.10
62.0	274.50	416.50	647.80	854.40	901.90
62.5	265.60	408.70	644.20	849.10	901.00
63.0	256.80	400.60	642.70	844.50	892.40
63.5	248.00	392.00	642.00	843.80	879.30
64.0	239.00	383.30	641.00	844.90	866.90
64.5	230.30	374.30	640.70	840.80	864.60
65.0	221.60	365.50	642.90	830.90	870.70
65.5	212.70	356.90	646.60	821.90	880.70
66.0	204.00	349.30	649.80	815.80	885.80
66.5	195.20	342.30	651.10	813.20	883.60
67.0	186.30	335.90	650.60	814.60	876.50
67.5	177.50	330.10	649.90	817.20	872.70
68.0	169.20	325.00	649.40	815.00	875.20
68.5	160.70	320.20	648.00	806.20	878.50
69.0	152.80	315.60	645.40	800.40	880.30
69.5	145.00	311.30	642.40	802.50	879.20
70.0	137.40	307.00	638.00	811.40	879.70
70.5	130.00	302.60	630.40	818.40	880.10
71.0	123.20	297.90	621.70	816.30	875.20
71.5	116.10	293.10	615.80	810.60	864.00
72.0	109.90	288.60	614.20	802.10	853.10
72.5	103.70	284.30	612.00	791.90	850.00
73.0	97.61	279.60	606.40	786.80	850.70
73.5	91.83	274.60	599.80	787.00	846.80
74.0	86.32	270.00	596.00	785.30	837.00
74.5	81.12	265.50	594.70	779.70	825.20
75.0	76.17	261.00	593.60	774.40	810.50
75.5	71.47	257.00	590.50	769.90	803.70
76.0	66.95	252.70	586.50	766.00	803.20
76.5	62.64	248.90	583.30	764.40	806.30
77.0	58.53	245.10	581.30	766.00	809.70
77.5	54.67	241.30	578.80	766.40	812.10
78.0	50.99	237.50	575.40	765.50	809.50
78.5	47.45	233.50	572.60	764.70	807.90
79.0	44.09	229.30	572.20	763.50	809.60
79.5	40.94	224.80	573.40	757.50	811.00
80.0	37.83	220.10	571.90	755.80	812.40
80.5	35.02	215.50	567.70	755.40	812.10
81.0	32.25	211.20	564.90	752.10	805.30
81.5	29.58	207.60	565.10	741.00	794.50
82.0	27.14	204.40	564.10	731.60	787.10
82.5	24.78	201.30	559.40	724.80	779.30

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**CANDELA TABULATION - (Cont.)**

83.0	22.57	198.70	553.00	718.70	778.10
83.5	20.51	196.60	548.70	717.70	778.30
84.0	18.57	194.20	547.20	718.70	776.30
84.5	16.79	192.10	545.70	719.10	775.70
85.0	15.15	189.70	543.10	716.10	774.70
85.5	13.67	187.70	539.40	712.80	776.20
86.0	12.30	185.90	537.50	710.10	773.70
86.5	11.00	184.30	538.90	706.00	767.80
87.0	9.94	182.90	542.50	706.30	765.10
87.5	8.98	182.10	546.60	712.70	770.30
88.0	8.15	181.30	548.20	722.00	778.00
88.5	7.47	180.60	548.00	723.50	780.50
89.0	6.90	180.00	547.90	718.80	779.70
89.5	6.57	179.60	547.30	714.00	778.20
90.0	6.48	179.40	547.30	711.10	774.60
90.5	6.64	181.90	547.60	737.70	795.70
91.0	7.01	182.30	546.80	729.90	789.60
91.5	7.59	182.80	545.30	720.20	778.20
92.0	8.22	183.70	543.20	712.70	767.20
92.5	8.94	184.70	541.50	708.90	762.10
93.0	9.79	186.00	541.10	707.00	762.10
93.5	10.76	187.80	542.10	707.40	760.60
94.0	11.88	189.40	543.40	709.30	758.00
94.5	13.14	191.20	543.70	710.60	757.20
95.0	14.55	193.20	544.80	711.20	757.20
95.5	16.09	195.30	547.90	714.80	762.70
96.0	17.79	197.60	552.30	720.90	772.20
96.5	19.64	200.10	556.90	729.70	783.90
97.0	21.59	203.00	559.00	741.00	799.30
97.5	23.72	205.90	559.40	747.40	809.70
98.0	25.93	209.00	560.10	746.10	811.70
98.5	28.32	212.50	562.60	740.60	808.30
99.0	30.76	216.10	566.70	738.00	804.10
99.5	33.42	220.10	570.80	741.30	801.20
100.0	36.20	224.20	573.50	743.10	802.00
100.5	39.19	228.70	575.90	744.70	801.70
101.0	42.31	233.20	578.10	752.10	807.20
101.5	45.59	237.90	579.70	759.50	816.80
102.0	49.06	242.40	580.20	762.60	819.60
102.5	52.72	247.00	580.60	764.30	817.20
103.0	56.53	251.00	582.20	768.60	815.70
103.5	60.60	254.90	585.40	774.30	814.70
104.0	64.83	258.70	589.50	778.30	821.40
104.5	69.30	262.30	594.40	775.80	829.30
105.0	73.93	266.10	599.70	767.40	829.60
105.5	78.87	269.70	606.10	765.40	824.20
106.0	83.98	273.20	612.90	767.10	817.90
106.5	89.41	276.60	617.70	769.70	819.20
107.0	95.06	280.40	620.30	774.30	825.40
107.5	101.00	284.60	621.90	780.40	833.90
108.0	107.10	288.90	624.00	786.40	838.80
108.5	113.50	293.20	627.50	789.80	841.80
109.0	120.00	297.50	631.00	791.90	849.30
109.5	126.30	301.50	632.50	798.60	859.50
110.0	133.30	305.70	632.60	806.80	864.20
110.5	140.80	309.80	633.80	813.10	864.60

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**CANDELA TABULATION - (Cont.)**

111.0	148.20	314.40	637.30	816.80	868.40
111.5	155.90	318.70	643.20	818.80	876.60
112.0	163.60	323.70	649.60	819.80	884.20
112.5	171.90	329.20	654.80	820.50	881.10
113.0	180.40	335.00	659.10	822.10	871.90
113.5	188.90	341.10	663.40	823.80	869.60
114.0	197.50	347.60	667.50	824.40	873.70
114.5	206.90	354.30	670.40	827.20	876.00
115.0	215.80	361.20	672.20	830.60	874.90
115.5	225.00	368.00	671.30	832.30	876.80
116.0	234.20	375.10	668.40	835.60	880.50
116.5	243.30	382.50	664.50	842.20	884.80
117.0	252.40	390.00	660.10	849.50	886.40
117.5	261.70	397.70	656.50	857.40	884.60
118.0	271.20	405.20	653.10	864.10	887.90
118.5	280.80	412.60	650.50	868.20	898.30
119.0	290.50	420.10	648.80	868.90	908.70
119.5	300.00	427.80	648.50	870.20	914.60
120.0	309.40	435.90	649.60	876.90	915.30
120.5	318.70	444.20	651.30	884.90	917.90
121.0	327.80	452.40	651.60	896.30	924.20
121.5	336.60	460.60	649.60	906.40	934.10
122.0	345.30	468.20	645.50	909.10	946.30
122.5	354.00	475.60	642.60	901.40	956.40
123.0	362.80	482.50	642.60	890.70	963.60
123.5	371.20	489.10	645.30	886.60	966.40
124.0	379.70	495.50	648.80	887.80	962.80
124.5	387.90	501.60	650.20	888.00	955.40
125.0	396.00	507.80	650.90	886.40	951.50
125.5	404.10	514.00	651.60	883.50	954.20
126.0	411.90	519.80	653.20	882.40	955.80
126.5	419.70	525.70	654.50	881.20	951.20
127.0	427.60	531.70	655.30	881.00	948.90
127.5	434.90	537.50	657.30	876.90	950.60
128.0	441.90	543.50	662.20	866.50	953.30
128.5	448.90	549.80	670.00	856.00	952.50
129.0	455.40	556.60	679.90	849.40	951.20
129.5	461.60	563.60	689.90	844.30	945.40
130.0	467.50	571.00	698.20	840.10	932.80
130.5	473.30	578.40	705.70	836.10	919.50
131.0	479.10	586.10	709.30	831.20	909.80
131.5	484.60	592.70	710.40	827.30	901.20
132.0	489.90	598.30	711.80	825.90	895.20
132.5	495.00	603.30	715.10	825.30	892.00
133.0	500.60	606.70	722.90	824.80	887.20
133.5	506.50	609.30	734.20	823.60	881.70
134.0	512.60	611.40	748.40	823.20	876.90
134.5	518.80	613.40	763.70	824.70	875.80
135.0	525.00	615.40	777.10	826.30	877.10
135.5	531.20	617.80	787.90	827.40	876.30
136.0	537.30	621.00	792.80	829.60	877.30
136.5	543.70	624.30	796.10	836.30	881.10
137.0	550.30	628.00	798.20	847.40	880.20
137.5	556.60	631.70	800.10	862.50	873.80
138.0	562.80	636.10	802.30	879.20	869.10
138.5	569.00	640.60	804.60	890.00	871.00

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**CANDELA TABULATION - (Cont.)**

139.0	574.80	645.20	807.00	894.80	878.00
139.5	580.40	649.20	808.30	898.10	890.80
140.0	585.70	653.50	810.10	901.30	909.30
140.5	591.30	657.60	811.50	905.00	926.90
141.0	596.90	662.00	811.40	909.20	938.50
141.5	602.10	666.40	810.30	908.60	945.00
142.0	607.20	670.70	806.80	905.00	948.00
142.5	612.40	675.10	802.70	902.70	949.00
143.0	616.90	679.70	799.10	906.10	946.40
143.5	621.30	684.00	796.60	915.00	943.20
144.0	625.60	688.60	795.10	924.00	942.30
144.5	630.00	692.50	794.90	930.70	937.80
145.0	634.20	696.60	794.90	933.10	935.70
145.5	638.50	700.60	795.30	929.80	942.10
146.0	642.60	704.70	795.90	924.70	951.60
146.5	647.20	708.50	797.50	917.80	956.60
147.0	651.10	712.00	799.20	909.10	958.60
147.5	655.50	715.30	802.40	901.80	960.00
148.0	659.70	718.20	804.90	895.70	955.80
148.5	663.70	720.60	807.30	891.10	944.00
149.0	667.40	721.40	809.50	886.20	930.60
149.5	671.30	721.90	810.30	879.80	919.60
150.0	674.80	722.50	810.90	872.10	910.60
150.5	678.40	722.20	809.70	865.90	904.70
151.0	681.80	721.10	807.90	864.60	900.00
151.5	684.80	721.00	804.70	865.60	892.40
152.0	687.90	720.80	801.30	866.40	882.70
152.5	690.90	722.00	799.60	866.30	877.50
153.0	693.70	724.50	799.80	866.30	879.30
153.5	696.10	726.80	801.50	864.70	881.90
154.0	698.90	729.70	801.60	860.80	879.90
154.5	702.10	731.70	800.80	857.80	877.20
155.0	705.70	732.80	799.50	857.10	875.80
155.5	709.00	734.70	799.30	859.30	872.10
156.0	712.20	736.30	799.30	863.80	866.70
156.5	715.60	737.70	800.40	865.50	863.70
157.0	718.00	740.30	799.00	860.80	864.90
157.5	720.20	741.90	799.20	852.70	868.60
158.0	722.00	744.90	801.10	846.20	872.80
158.5	723.30	748.10	805.70	846.20	870.80
159.0	725.50	751.40	810.10	848.20	862.90
159.5	727.90	754.70	812.50	847.80	854.50
160.0	730.60	757.10	812.10	845.70	852.90
160.5	732.20	758.70	809.90	842.50	855.40
161.0	735.00	760.20	806.40	838.60	855.80
161.5	737.80	760.20	803.40	835.70	853.40
162.0	741.70	759.40	800.70	831.40	849.00
162.5	744.10	758.60	798.70	825.60	843.20
163.0	746.90	756.70	798.30	824.50	837.90
163.5	750.00	754.30	798.00	827.80	831.40
164.0	752.40	751.90	797.50	830.90	826.90
164.5	753.50	749.50	796.30	830.60	827.70
165.0	754.90	748.20	795.20	826.80	831.30
165.5	757.00	748.00	792.80	822.50	832.90
166.0	757.60	746.90	790.50	817.50	830.10
166.5	759.90	748.10	791.20	813.20	825.70

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 8K 360P-2-URDL-835-X-CA.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.0</b>	761.40	750.40	792.40	810.40	820.10
<b>167.5</b>	763.50	751.30	793.70	808.40	814.70
<b>168.0</b>	764.30	753.00	794.70	806.20	811.50
<b>168.5</b>	767.20	754.30	795.50	803.30	809.40
<b>169.0</b>	770.10	755.00	796.70	798.20	807.20
<b>169.5</b>	771.80	755.60	797.60	796.50	803.20
<b>170.0</b>	774.40	755.60	795.70	799.40	798.40
<b>170.5</b>	774.70	755.60	790.30	799.60	798.80
<b>171.0</b>	776.90	755.90	782.80	798.70	800.20
<b>171.5</b>	777.10	757.60	774.90	800.90	798.90
<b>172.0</b>	777.50	758.20	767.90	803.70	801.20
<b>172.5</b>	779.00	758.90	764.90	800.20	803.50
<b>173.0</b>	778.40	760.00	763.60	790.90	802.50
<b>173.5</b>	779.10	761.90	762.10	778.10	793.40
<b>174.0</b>	779.50	763.80	761.80	768.20	778.90
<b>174.5</b>	781.40	765.60	759.60	766.10	769.30
<b>175.0</b>	782.10	768.00	760.40	765.00	767.00
<b>175.5</b>	783.40	770.10	761.70	761.10	765.10
<b>176.0</b>	783.20	772.70	764.10	759.00	758.70
<b>176.5</b>	783.20	775.30	766.40	761.70	759.20
<b>177.0</b>	782.70	777.00	768.20	765.00	763.30
<b>177.5</b>	783.40	779.20	771.60	766.50	766.70
<b>178.0</b>	784.10	781.30	775.40	769.90	770.10
<b>178.5</b>	785.00	782.10	778.30	774.90	775.00
<b>179.0</b>	784.30	782.50	780.30	778.70	777.60
<b>179.5</b>	785.10	783.30	780.80	779.50	778.80
<b>180.0</b>	781.80	781.80	781.80	781.80	781.80



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

Zone	Lumens	%Lamp	%Fixt
0-20	299.70	N.A.	3.70
0-30	667.95	N.A.	8.30
0-40	1166.08	N.A.	14.60
0-60	2342.03	N.A.	29.30
0-80	3491.22	N.A.	43.60
0-90	4000.04	N.A.	50.00
10-90	3926.08	N.A.	49.10
20-40	866.37	N.A.	10.80
20-50	1439.79	N.A.	18.00
40-70	1771.62	N.A.	22.10
60-80	1149.18	N.A.	14.40
70-80	553.51	N.A.	6.90
80-90	508.82	N.A.	6.40
90-110	1063.6	N.A.	13.30
90-120	1660.47	N.A.	20.70
90-130	2268.81	N.A.	28.30
90-150	3336.32	N.A.	41.70
90-180	4003.59	N.A.	50.00
110-180	2939.98	N.A.	36.70
0-180	8003.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	73.95
10-20	225.75
20-30	368.24
30-40	498.13
40-50	573.42
50-60	602.54
60-70	595.67
70-80	553.51
80-90	508.82
90-100	510.63
100-110	552.97
110-120	596.87
120-130	608.34
130-140	566.39
140-150	501.11
150-160	368.74
160-170	224.50
170-180	74.04

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 8K 360P-2-URDL-835-X-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	
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	95	89	84	80	87	82	78	74	69	65	62	56	54	51	45	43	41	36
2	85	76	69	63	78	70	64	58	58	53	49	48	44	41	38	35	33	28
3	77	66	58	51	70	61	53	47	51	45	40	41	37	33	33	29	27	22
4	70	58	49	42	64	53	45	39	44	38	33	36	31	28	29	25	22	18
5	64	51	42	36	58	47	39	33	39	33	28	32	27	23	25	22	19	15
6	59	46	37	30	54	42	34	28	35	29	24	29	24	20	23	19	16	13
7	54	41	32	26	49	38	30	25	32	26	21	26	21	18	21	17	14	11
8	50	37	29	23	46	34	27	21	29	23	18	24	19	15	19	15	12	10
9	47	34	26	20	43	31	24	19	26	20	16	22	17	14	17	14	11	9
10	43	31	23	18	40	28	22	17	24	18	15	20	15	12	16	13	10	8

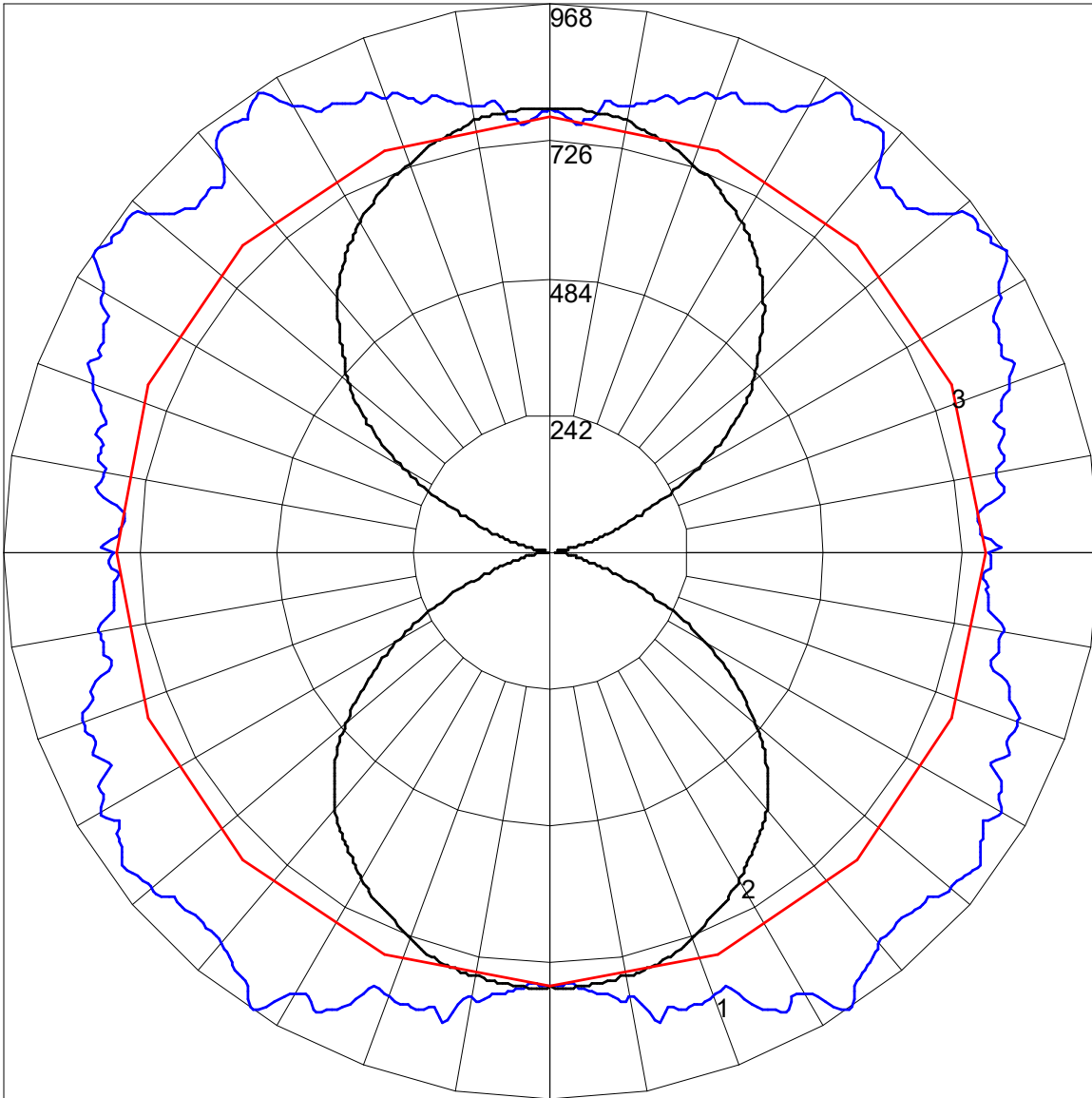
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 8K 360P-2-URDL-835-X-CA.IES**

**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	12.5	13.4	13.4	14.4	15.6	18.3	19.3	19.3	20.2	21.5
	3H	13.4	14.3	14.4	15.3	16.5	21.5	22.3	22.4	23.3	24.6
	4H	13.7	14.5	14.6	15.5	16.8	23.0	23.9	24.0	24.8	26.1
	6H	13.8	14.5	14.7	15.5	16.8	24.7	25.5	25.7	26.4	27.8
	8H	13.8	14.5	14.7	15.5	16.8	25.5	26.3	26.5	27.3	28.6
	12H	13.7	14.4	14.7	15.4	16.8	26.4	27.1	27.4	28.1	29.4
4H	2H	14.4	15.2	15.3	16.2	17.5	18.6	19.4	19.5	20.4	21.7
	3H	15.8	16.5	16.7	17.5	18.8	22.0	22.7	22.9	23.7	25.0
	4H	16.2	16.8	17.1	17.8	19.2	23.7	24.4	24.7	25.4	26.7
	6H	16.4	17.0	17.4	18.0	19.3	25.6	26.2	26.6	27.2	28.5
	8H	16.5	17.0	17.5	18.0	19.4	26.6	27.1	27.6	28.1	29.5
	12H	16.5	17.0	17.5	18.0	19.3	27.5	28.0	28.5	29.1	30.4
8H	4H	18.1	18.6	19.1	19.6	21.0	23.9	24.4	24.9	25.5	26.8
	6H	18.7	19.1	19.7	20.2	21.5	26.0	26.4	27.0	27.5	28.8
	8H	18.8	19.2	19.8	20.3	21.6	27.1	27.5	28.1	28.5	29.9
	12H	18.9	19.3	19.9	20.3	21.7	28.2	28.6	29.3	29.7	31.0
12H	4H	18.6	19.1	19.6	20.2	21.5	23.9	24.4	24.9	25.4	26.7
	6H	19.5	19.9	20.5	21.0	22.4	26.0	26.4	27.0	27.4	28.8
	8H	19.9	20.2	20.9	21.3	22.7	27.1	27.5	28.2	28.6	30.0

Maximum UGR = 31.0

POLAR GRAPH



Maximum Candela = 967.7 Located At Horizontal Angle = 90, Vertical Angle = 33  
# 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)