



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 7K 360P-2-URDL-835-X-WA.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 13551818.10  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUE DATE] 11/4/2020  
 [MANUFAC] Lux Dynamics  
 [LUMCAT] 360P-2-URDL-835-xxx-xx-WA  
 [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, 277.018 V, 0.189785 A, 49.7235 W, 0.945781 PF, 59.974  
 [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	7225
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	49.7235
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	8368	7297	8296
55	7180	6821	8483
65	5835	6713	9012
75	3915	6979	9854
85	1301	7773	11116

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**PHOTOMETRIC FILENAME : 7K 360P-2-URDL-835-X-WA.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	798.80	798.80	798.80	798.80	798.80
0.5	797.00	798.40	799.20	799.90	800.20
1.0	796.40	798.00	799.30	799.80	800.10
1.5	795.50	798.10	799.10	799.50	800.30
2.0	796.50	798.00	799.30	800.40	801.50
2.5	795.80	797.60	799.20	800.60	801.30
3.0	795.10	797.70	799.40	801.10	802.10
3.5	795.60	796.60	800.00	800.80	802.60
4.0	794.40	796.40	799.80	802.10	804.20
4.5	793.60	795.80	799.80	802.40	803.70
5.0	791.00	795.50	799.00	802.80	803.60
5.5	791.60	795.00	798.80	802.90	805.70
6.0	789.80	794.10	798.80	804.20	806.60
6.5	789.10	792.90	799.80	804.50	806.40
7.0	788.30	792.10	799.80	805.00	808.20
7.5	786.40	791.50	800.10	805.00	807.60
8.0	785.60	790.80	798.10	805.30	807.90
8.5	783.40	789.40	798.50	806.00	808.30
9.0	780.90	788.30	798.20	806.50	810.20
9.5	779.50	787.10	797.90	806.70	810.10
10.0	778.60	787.20	798.40	806.90	809.70
10.5	777.40	784.90	796.50	806.40	809.90
11.0	775.20	783.30	796.40	806.70	809.90
11.5	773.80	781.70	795.50	806.40	810.20
12.0	770.50	780.80	795.30	805.70	809.60
12.5	769.00	778.60	794.00	805.30	809.90
13.0	766.10	776.90	793.80	805.50	810.20
13.5	764.10	775.10	792.70	804.40	809.60
14.0	761.10	772.90	791.30	804.60	810.40
14.5	759.50	771.20	789.80	803.90	808.70
15.0	756.60	769.00	788.70	804.20	808.80
15.5	753.70	767.50	787.30	803.80	808.30
16.0	750.60	764.70	785.60	802.70	809.10
16.5	747.60	762.90	784.10	802.30	808.40
17.0	744.30	760.40	783.10	801.10	807.70
17.5	741.00	757.50	781.50	799.70	806.40
18.0	738.00	755.20	780.10	798.80	806.30
18.5	734.80	752.40	777.80	797.90	806.20
19.0	731.50	749.50	776.20	797.90	805.70
19.5	728.00	747.20	773.80	796.10	804.50
20.0	724.50	744.00	772.10	794.90	804.50
20.5	720.90	741.30	770.30	794.20	804.40
21.0	717.40	738.00	767.90	793.50	804.20
21.5	713.60	735.10	765.80	791.70	803.00
22.0	710.50	732.00	764.10	791.50	803.60
22.5	706.70	728.90	761.20	790.50	802.40
23.0	702.90	725.60	759.10	789.80	801.50
23.5	698.60	722.10	757.20	788.80	800.10
24.0	694.50	718.20	753.90	786.90	799.70
24.5	690.40	714.70	752.00	785.70	799.90
25.0	686.00	711.10	749.70	784.70	799.80
25.5	681.40	707.40	747.40	783.50	798.20
26.0	676.80	703.60	745.30	782.90	797.70
26.5	672.20	699.90	742.20	781.30	797.20

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 7K 360P-2-URDL-835-X-WA.IES**

**CANDELA TABULATION - (Cont.)**

27.0	667.70	696.10	740.20	780.80	797.10
27.5	662.90	692.00	737.20	779.50	797.70
28.0	658.10	688.00	734.80	778.20	796.60
28.5	653.30	683.80	732.30	777.70	796.90
29.0	648.30	679.80	729.30	776.50	796.80
29.5	643.50	675.50	726.70	776.00	796.30
30.0	638.40	671.50	724.00	774.40	796.50
30.5	633.50	667.20	720.90	773.30	795.70
31.0	628.80	662.70	718.30	773.30	795.70
31.5	623.70	658.50	715.30	771.50	794.70
32.0	619.00	654.00	712.50	770.60	795.10
32.5	613.80	649.70	709.40	769.70	793.70
33.0	608.80	645.20	706.90	768.30	793.70
33.5	603.80	640.70	703.80	767.40	792.50
34.0	599.00	636.30	701.00	766.20	791.60
34.5	593.90	631.60	698.20	765.10	792.70
35.0	588.50	626.90	695.40	764.10	792.40
35.5	583.20	622.30	692.50	762.40	791.20
36.0	577.80	617.50	689.40	761.10	791.40
36.5	572.30	612.60	686.80	761.10	789.40
37.0	566.80	607.70	683.80	759.90	789.20
37.5	561.20	603.00	681.00	758.30	788.80
38.0	555.80	598.10	678.20	757.10	787.80
38.5	550.10	593.00	675.50	755.90	788.00
39.0	544.40	588.10	672.50	754.90	788.40
39.5	538.50	583.10	669.60	753.80	786.80
40.0	532.50	578.20	666.60	752.40	786.10
40.5	526.50	573.10	663.60	751.50	785.80
41.0	520.90	568.10	660.60	750.30	785.00
41.5	514.90	563.10	657.70	749.10	785.80
42.0	508.90	558.10	654.80	748.10	785.90
42.5	503.00	553.30	651.80	746.40	784.70
43.0	496.80	548.30	648.60	745.00	785.20
43.5	490.70	543.20	645.60	744.30	784.80
44.0	484.90	538.10	642.60	743.00	783.80
44.5	478.90	533.10	639.70	741.80	784.60
45.0	472.90	528.10	636.50	741.00	784.30
45.5	466.60	523.00	633.40	740.00	785.60
46.0	460.60	517.90	630.20	739.40	783.40
46.5	454.50	512.80	627.20	738.60	784.40
47.0	448.40	507.60	624.10	737.90	784.40
47.5	442.30	502.30	621.00	736.90	783.80
48.0	436.40	497.20	617.90	736.10	784.00
48.5	430.20	492.00	614.90	735.30	784.70
49.0	424.10	486.80	611.60	734.30	784.50
49.5	418.10	481.70	608.30	733.60	784.70
50.0	412.00	476.50	605.20	732.50	785.50
50.5	406.00	471.50	602.00	731.60	785.50
51.0	400.30	466.40	599.00	731.10	785.40
51.5	394.30	461.20	596.20	730.30	785.60
52.0	388.20	456.40	593.10	730.30	788.20
52.5	382.20	451.20	590.30	729.70	787.90
53.0	376.00	446.10	587.50	729.40	788.20
53.5	370.00	441.10	585.00	729.00	788.60
54.0	363.90	436.20	582.50	728.90	789.00
54.5	358.20	431.30	579.80	728.80	789.80

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 7K 360P-2-URDL-835-X-WA.IES**

**CANDELA TABULATION - (Cont.)**

55.0	352.20	426.50	577.30	728.60	789.80
55.5	346.40	421.60	574.60	728.50	790.80
56.0	340.30	416.80	572.10	728.50	791.10
56.5	334.20	411.80	569.50	728.30	792.30
57.0	328.30	406.90	567.10	728.00	792.40
57.5	322.40	402.10	564.60	727.80	793.20
58.0	316.50	397.30	562.30	727.60	793.70
58.5	310.50	392.40	559.90	727.30	793.90
59.0	304.60	387.60	557.60	726.90	794.50
59.5	298.50	382.50	555.40	726.60	795.00
60.0	292.70	377.60	553.30	726.20	795.20
60.5	286.70	372.70	551.10	726.00	795.90
61.0	281.10	367.90	549.10	725.70	796.90
61.5	275.10	363.10	547.10	725.40	797.20
62.0	269.30	358.30	545.30	725.30	797.00
62.5	263.10	353.50	543.30	724.90	797.30
63.0	257.30	348.80	541.30	724.60	797.10
63.5	251.20	344.00	539.30	724.30	796.60
64.0	245.70	339.30	537.40	723.80	799.30
64.5	239.90	334.70	535.40	723.60	799.40
65.0	234.00	329.90	533.50	723.30	800.60
65.5	228.10	325.20	531.50	723.10	801.40
66.0	222.10	320.40	529.50	722.80	801.20
66.5	216.10	315.90	527.60	722.60	801.30
67.0	210.20	311.30	525.70	722.40	802.20
67.5	204.30	307.20	523.90	722.40	801.70
68.0	198.50	303.10	522.10	722.40	802.30
68.5	192.70	298.90	520.40	722.30	803.60
69.0	186.70	295.00	518.80	722.30	803.50
69.5	180.80	290.90	517.00	722.10	804.10
70.0	174.90	286.80	515.40	722.10	804.30
70.5	168.80	283.00	513.80	721.80	804.00
71.0	163.10	279.20	512.20	722.00	805.20
71.5	157.10	275.70	510.70	721.80	805.20
72.0	151.20	271.90	509.30	721.60	805.50
72.5	145.40	268.40	508.00	721.50	806.60
73.0	139.40	265.00	506.70	721.30	807.00
73.5	133.70	261.80	505.40	721.40	806.40
74.0	128.10	258.70	504.10	721.30	806.30
74.5	122.70	255.60	502.90	721.00	807.50
75.0	117.20	252.60	501.70	720.90	806.80
75.5	111.70	249.70	500.30	720.80	808.10
76.0	106.20	246.70	499.40	720.80	808.70
76.5	100.80	243.90	498.10	720.60	808.50
77.0	95.45	241.20	497.00	720.60	808.80
77.5	90.19	238.50	496.00	720.60	808.90
78.0	85.14	235.90	495.00	720.40	808.90
78.5	80.00	233.40	494.00	720.10	809.00
79.0	75.04	230.90	493.10	719.80	809.20
79.5	70.10	228.70	492.20	719.50	808.90
80.0	65.33	226.60	491.40	719.30	809.10
80.5	60.54	224.40	490.50	718.90	808.90
81.0	55.96	222.50	489.40	718.80	809.40
81.5	51.55	220.50	488.50	718.40	809.70
82.0	47.22	218.70	487.60	717.90	809.40
82.5	42.98	217.00	486.80	717.50	807.90

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 7K 360P-2-URDL-835-X-WA.IES**

**CANDELA TABULATION - (Cont.)**

83.0	39.00	215.50	486.00	716.90	808.00
83.5	35.10	214.10	485.30	716.40	807.80
84.0	31.33	212.70	484.50	715.80	806.50
84.5	27.86	211.50	483.60	715.00	807.00
85.0	24.53	210.20	482.90	714.10	805.00
85.5	21.39	209.10	482.00	713.20	805.30
86.0	18.48	208.20	481.00	712.60	804.10
86.5	15.83	207.50	480.00	711.90	804.30
87.0	13.45	206.50	479.10	711.20	803.50
87.5	11.44	205.70	478.30	710.70	803.10
88.0	9.81	205.10	477.60	710.20	802.70
88.5	8.56	204.40	476.90	709.80	802.90
89.0	7.69	203.90	476.50	709.60	802.30
89.5	7.23	203.60	476.40	709.40	801.30
90.0	7.13	203.40	476.20	709.30	801.20
90.5	6.78	204.50	476.50	709.00	801.30
91.0	7.25	204.80	476.80	709.50	801.40
91.5	8.00	205.20	477.20	709.70	801.70
92.0	8.98	205.80	477.70	709.80	801.70
92.5	10.31	206.60	478.10	710.70	802.60
93.0	11.96	207.50	479.00	711.00	803.20
93.5	13.82	208.20	479.50	711.30	803.50
94.0	16.03	209.30	480.60	711.90	803.50
94.5	18.72	210.50	481.50	712.70	804.20
95.0	21.66	211.60	482.40	713.50	804.80
95.5	24.78	213.00	483.30	714.10	805.50
96.0	28.15	214.20	484.20	714.90	806.00
96.5	31.65	215.80	485.20	715.30	806.40
97.0	35.31	217.40	486.10	716.00	806.90
97.5	39.15	219.10	487.00	716.30	807.30
98.0	43.10	220.80	487.80	716.80	807.60
98.5	47.20	222.70	488.90	717.80	807.80
99.0	51.40	224.80	489.80	718.50	807.90
99.5	55.76	227.10	490.90	719.00	808.60
100.0	60.28	229.30	492.00	718.80	808.60
100.5	64.91	231.60	493.10	719.10	808.60
101.0	69.64	234.00	494.20	719.60	809.00
101.5	74.53	236.50	495.40	720.20	809.00
102.0	79.51	239.00	496.40	721.10	809.30
102.5	84.57	241.60	497.80	720.80	809.20
103.0	89.75	244.10	499.00	722.20	809.30
103.5	94.95	246.80	500.30	721.70	809.40
104.0	100.20	249.60	501.60	722.20	809.00
104.5	105.60	252.20	503.00	721.40	809.10
105.0	111.00	254.90	504.20	722.00	808.70
105.5	116.50	257.50	505.80	722.60	808.50
106.0	121.50	260.30	507.00	723.80	808.30
106.5	126.90	263.00	508.60	723.10	808.20
107.0	132.50	265.70	509.90	724.20	808.10
107.5	138.00	268.50	511.30	724.10	807.90
108.0	143.70	271.50	512.60	724.20	807.60
108.5	149.50	274.40	514.10	724.50	807.50
109.0	155.10	277.40	515.70	724.60	807.20
109.5	160.70	280.70	517.10	723.80	806.80
110.0	166.30	284.00	518.80	724.40	806.30
110.5	172.20	287.40	520.20	724.70	806.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 7K 360P-2-URDL-835-X-WA.IES**

**CANDELA TABULATION - (Cont.)**

111.0	177.80	291.00	521.90	725.30	805.70
111.5	183.60	294.50	523.40	724.90	805.20
112.0	189.80	298.20	525.10	724.90	804.80
112.5	195.70	302.00	526.80	725.20	804.60
113.0	201.50	306.10	528.60	725.40	804.20
113.5	207.40	310.40	530.40	725.50	803.60
114.0	213.40	314.80	532.40	726.40	803.20
114.5	219.30	319.00	534.20	726.70	802.70
115.0	225.40	323.80	536.00	726.90	802.60
115.5	231.50	328.30	537.80	726.90	802.60
116.0	237.50	332.70	539.80	727.10	801.90
116.5	243.50	337.60	541.80	727.50	801.70
117.0	249.40	342.20	543.70	728.00	801.40
117.5	255.80	347.10	545.40	728.80	801.20
118.0	261.70	351.70	547.30	729.50	800.40
118.5	267.80	356.60	549.10	729.10	800.20
119.0	274.00	361.50	550.90	729.50	800.30
119.5	280.20	366.20	552.90	730.60	799.90
120.0	286.40	371.10	554.60	730.40	799.70
120.5	292.30	375.90	556.50	731.40	799.70
121.0	298.40	380.70	558.00	731.50	799.10
121.5	304.30	385.50	559.80	731.40	798.90
122.0	310.60	390.40	561.60	731.70	798.20
122.5	316.50	395.40	563.40	731.10	798.20
123.0	322.50	400.20	565.70	732.50	797.50
123.5	328.60	405.20	567.80	732.80	797.30
124.0	334.50	410.10	570.10	732.90	797.00
124.5	340.50	415.00	572.30	732.60	796.50
125.0	346.40	420.00	574.50	733.10	796.10
125.5	352.40	425.00	576.80	732.80	795.10
126.0	358.50	429.90	579.30	733.00	794.40
126.5	364.30	435.00	581.60	733.40	793.70
127.0	370.00	439.90	584.00	732.10	793.00
127.5	375.90	444.90	586.40	732.90	792.10
128.0	381.90	450.10	589.10	731.70	791.80
128.5	387.90	455.10	591.90	732.10	790.60
129.0	393.70	460.20	594.70	732.20	789.10
129.5	399.70	465.30	597.70	731.60	788.60
130.0	405.70	470.30	600.60	731.90	787.90
130.5	411.60	475.50	603.60	732.20	786.90
131.0	417.80	480.60	606.70	732.60	785.80
131.5	423.70	485.70	609.50	732.50	785.00
132.0	429.40	490.80	612.40	733.40	784.50
132.5	435.60	495.80	615.70	733.90	783.50
133.0	441.50	501.00	618.50	734.00	783.70
133.5	447.80	506.00	621.60	734.40	783.20
134.0	453.70	511.20	624.60	735.20	782.90
134.5	459.80	516.40	627.80	736.00	782.40
135.0	465.70	521.30	630.80	736.20	781.80
135.5	471.80	526.50	633.90	737.50	781.80
136.0	477.70	531.70	637.10	739.00	782.00
136.5	483.50	536.70	640.10	740.10	781.80
137.0	489.70	541.80	643.20	741.30	780.80
137.5	495.70	546.90	646.00	742.60	781.40
138.0	501.30	551.90	649.10	744.00	782.50
138.5	507.40	557.00	652.10	745.00	782.60

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 7K 360P-2-URDL-835-X-WA.IES**

**CANDELA TABULATION - (Cont.)**

139.0	513.00	562.20	655.10	746.30	783.60
139.5	518.80	567.10	658.30	748.00	784.30
140.0	524.50	572.20	661.40	749.50	784.70
140.5	530.20	577.40	664.40	750.60	784.90
141.0	535.80	582.40	667.50	751.30	785.60
141.5	541.50	587.30	670.50	752.50	786.40
142.0	547.30	592.30	673.50	754.40	786.80
142.5	552.90	597.30	676.70	756.00	787.40
143.0	558.30	602.00	679.40	757.40	787.80
143.5	563.90	606.90	682.40	758.30	788.60
144.0	569.40	612.00	685.70	760.40	788.70
144.5	575.00	616.80	688.80	760.70	789.50
145.0	580.60	621.60	691.90	761.10	790.30
145.5	586.00	626.50	694.90	762.40	790.60
146.0	591.20	631.20	697.90	763.80	791.20
146.5	596.50	635.90	700.60	765.00	791.60
147.0	602.00	640.50	704.20	766.00	792.10
147.5	607.10	644.90	707.00	767.30	792.60
148.0	612.30	649.30	709.70	767.90	792.90
148.5	617.70	653.70	712.60	769.10	793.10
149.0	622.60	658.10	715.40	770.40	793.40
149.5	627.30	662.70	718.30	771.30	793.80
150.0	632.40	666.90	720.60	772.70	794.10
150.5	637.40	671.20	723.80	773.80	794.50
151.0	642.40	675.20	726.90	775.00	795.30
151.5	647.10	679.40	729.50	775.60	795.20
152.0	651.70	683.40	731.50	777.10	795.50
152.5	656.50	687.50	734.60	778.30	795.90
153.0	661.30	691.30	737.10	779.20	796.60
153.5	665.80	695.20	739.50	780.60	797.60
154.0	670.50	699.20	741.30	781.70	797.60
154.5	675.00	703.00	744.30	783.00	798.10
155.0	679.20	706.40	745.00	783.80	798.40
155.5	683.70	710.40	748.10	784.80	799.30
156.0	687.90	714.50	751.00	786.30	800.00
156.5	692.40	717.20	753.50	787.40	800.60
157.0	696.50	720.40	756.80	788.20	801.40
157.5	700.40	724.70	758.50	789.10	801.80
158.0	704.60	728.20	760.50	790.00	802.20
158.5	708.40	730.90	762.40	791.00	802.80
159.0	712.10	733.80	764.10	792.00	803.10
159.5	716.20	736.70	767.00	792.80	803.40
160.0	720.10	739.90	768.90	793.90	803.80
160.5	722.80	743.20	770.60	794.60	804.10
161.0	727.10	746.50	772.90	795.30	804.40
161.5	731.40	748.60	774.30	796.30	804.70
162.0	734.00	751.10	776.50	797.30	805.00
162.5	736.70	754.00	777.80	797.90	805.60
163.0	741.00	756.50	779.60	798.70	805.90
163.5	742.70	758.90	780.80	799.60	806.30
164.0	745.40	761.50	782.60	799.90	806.10
164.5	748.90	763.80	784.00	800.80	806.60
165.0	752.40	766.00	785.30	801.40	807.00
165.5	756.40	768.20	786.40	802.10	806.90
166.0	757.90	770.20	787.70	802.30	807.30
166.5	761.00	772.30	789.00	802.40	807.60

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 7K 360P-2-URDL-835-X-WA.IES**

**CANDELA TABULATION - (Cont.)**

<b>167.0</b>	763.60	774.20	790.10	802.90	807.70
<b>167.5</b>	764.90	776.10	791.10	803.30	807.90
<b>168.0</b>	768.70	778.30	792.00	803.90	807.80
<b>168.5</b>	770.50	780.30	793.40	803.90	807.70
<b>169.0</b>	773.10	781.90	794.20	804.30	807.80
<b>169.5</b>	775.60	783.30	794.90	804.20	807.80
<b>170.0</b>	777.70	785.10	795.80	804.20	807.90
<b>170.5</b>	778.90	786.40	796.60	804.40	807.40
<b>171.0</b>	780.90	788.10	797.30	804.40	807.70
<b>171.5</b>	782.70	789.30	797.80	804.40	807.40
<b>172.0</b>	784.80	790.70	798.20	804.60	807.10
<b>172.5</b>	786.40	792.10	798.60	804.50	807.00
<b>173.0</b>	787.70	793.00	799.20	804.30	807.00
<b>173.5</b>	789.30	794.30	799.60	804.10	806.70
<b>174.0</b>	791.10	795.20	799.80	803.60	806.10
<b>174.5</b>	791.90	796.10	800.20	803.30	805.60
<b>175.0</b>	793.10	796.80	800.30	803.20	805.20
<b>175.5</b>	793.90	797.80	800.30	802.70	804.40
<b>176.0</b>	795.20	798.20	800.50	802.30	804.10
<b>176.5</b>	795.60	798.80	800.40	801.90	803.50
<b>177.0</b>	796.50	799.20	800.50	801.30	803.20
<b>177.5</b>	797.00	799.60	800.50	801.20	802.30
<b>178.0</b>	797.50	800.00	800.40	800.80	801.70
<b>178.5</b>	798.10	800.20	800.50	800.30	801.50
<b>179.0</b>	798.20	800.30	800.50	800.00	801.10
<b>179.5</b>	798.10	800.60	800.60	800.20	800.90
<b>180.0</b>	800.30	800.30	800.30	800.30	800.30



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

Zone	Lumens	%Lamp	%Fixt
0-20	298.26	N.A.	4.10
0-30	643.13	N.A.	8.90
0-40	1078.16	N.A.	14.90
0-60	2084.59	N.A.	28.90
0-80	3119.45	N.A.	43.20
0-90	3617.43	N.A.	50.10
10-90	3541.24	N.A.	49.00
20-40	779.90	N.A.	10.80
20-50	1269.92	N.A.	17.60
40-70	1528.44	N.A.	21.20
60-80	1034.86	N.A.	14.30
70-80	512.85	N.A.	7.10
80-90	497.98	N.A.	6.90
90-110	1011.3	N.A.	14.00
90-120	1532.7	N.A.	21.20
90-130	2047.78	N.A.	28.30
90-150	2966.5	N.A.	41.10
90-180	3607.39	N.A.	49.90
110-180	2596.09	N.A.	35.90
0-180	7224.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	76.19
10-20	222.07
20-30	344.87
30-40	435.03
40-50	490.02
50-60	516.41
60-70	522.01
70-80	512.85
80-90	497.98
90-100	497.75
100-110	513.55
110-120	521.40
120-130	515.08
130-140	486.24
140-150	432.48
150-160	343.43
160-170	221.27
170-180	76.18

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 7K 360P-2-URDL-835-X-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	
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	95	89	84	79	87	82	77	73	68	65	62	56	53	51	45	43	41	36
2	85	76	69	62	78	70	63	58	58	53	49	48	44	40	38	35	32	28
3	77	66	57	51	70	61	53	47	50	45	40	41	37	33	32	29	26	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	31	54	42	34	28	35	29	24	29	24	20	23	19	16	13
7	54	41	32	26	50	38	30	25	32	26	21	26	21	18	21	17	14	12
8	50	37	29	23	46	34	27	22	29	23	19	24	19	16	19	15	13	10
9	47	34	26	21	43	31	24	19	26	21	17	22	17	14	18	14	11	9
10	44	31	23	18	40	29	22	17	24	19	15	20	16	12	16	13	10	8

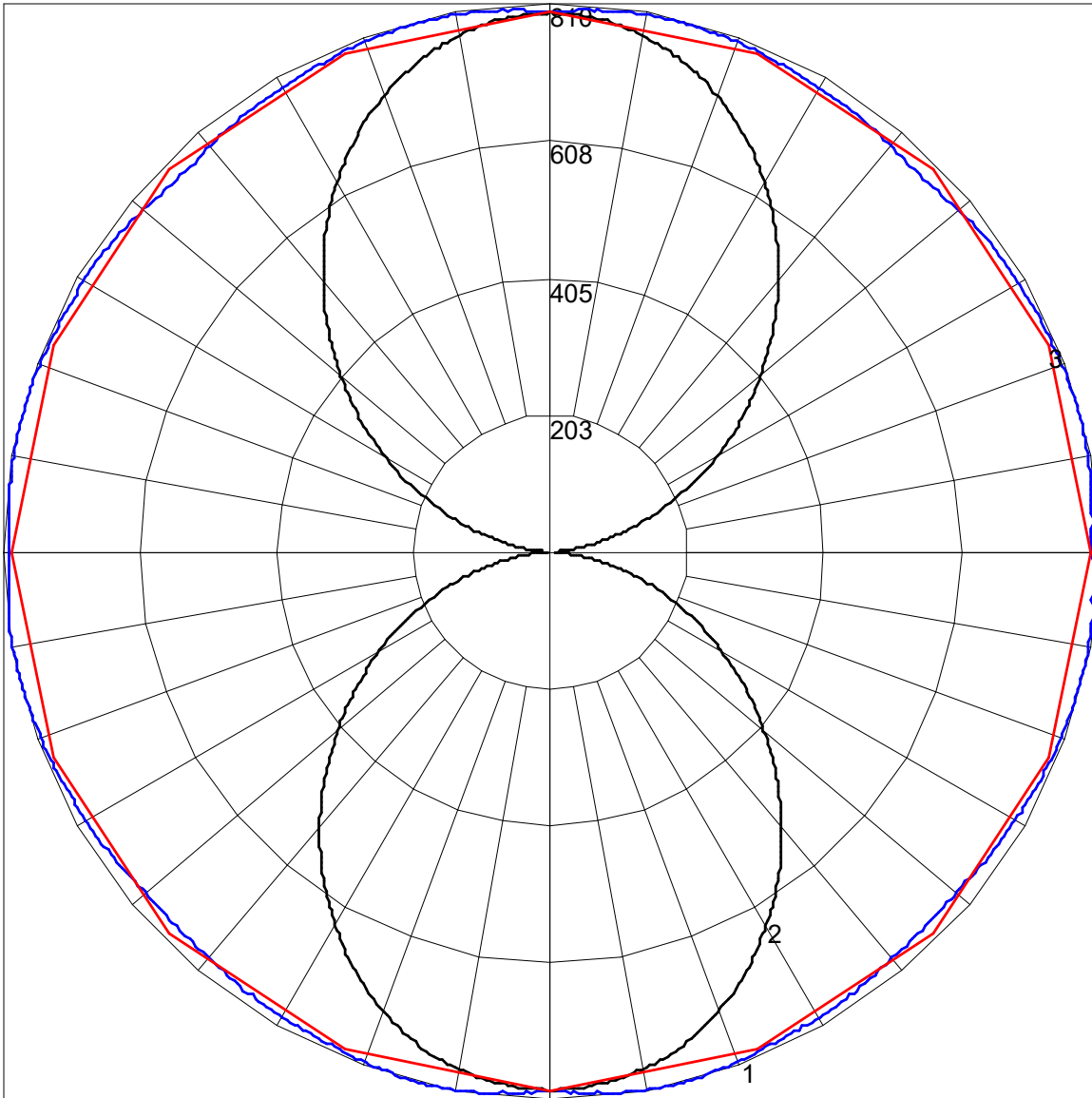
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 7K 360P-2-URDL-835-X-WA.IES**

**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	11.8	12.7	12.7	13.7	14.9	17.6	18.5	18.5	19.5	20.8
	3H	13.1	14.0	14.1	15.0	16.3	21.0	21.9	22.0	22.9	24.1
	4H	13.6	14.4	14.5	15.4	16.7	22.8	23.6	23.8	24.6	25.9
	6H	13.8	14.6	14.8	15.6	16.9	24.7	25.4	25.6	26.4	27.7
	8H	13.9	14.6	14.8	15.6	16.9	25.6	26.4	26.6	27.4	28.7
	12H	13.9	14.6	14.8	15.6	16.9	26.6	27.3	27.6	28.3	29.6
4H	2H	13.6	14.4	14.6	15.4	16.7	17.8	18.6	18.8	19.6	20.9
	3H	15.3	16.0	16.2	17.0	18.3	21.5	22.2	22.5	23.2	24.5
	4H	15.8	16.5	16.8	17.5	18.8	23.5	24.1	24.5	25.1	26.5
	6H	16.2	16.8	17.2	17.8	19.2	25.6	26.2	26.6	27.2	28.5
	8H	16.3	16.9	17.3	17.9	19.2	26.6	27.2	27.6	28.2	29.6
	12H	16.4	16.9	17.4	17.9	19.3	27.8	28.3	28.8	29.3	30.7
8H	4H	17.6	18.2	18.6	19.2	20.6	23.6	24.2	24.6	25.2	26.5
	6H	18.4	18.8	19.4	19.9	21.2	25.9	26.4	26.9	27.4	28.8
	8H	18.6	19.0	19.6	20.1	21.4	27.1	27.6	28.2	28.6	30.0
	12H	18.8	19.1	19.8	20.2	21.6	28.5	28.9	29.5	29.9	31.3
12H	4H	18.3	18.8	19.3	19.8	21.2	23.6	24.1	24.6	25.1	26.5
	6H	19.2	19.6	20.3	20.7	22.1	25.9	26.3	26.9	27.4	28.8
	8H	19.6	20.0	20.7	21.1	22.4	27.2	27.6	28.2	28.6	30.0

Maximum UGR = 31.3

POLAR GRAPH



Maximum Candela = 810.4 Located At Horizontal Angle = 90, Vertical Angle = 14  
# 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)