

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-WSBL-DA-UNV LOUVERED ENDS ONLY\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] 14716274.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 19 APR, 2023  
[TEST DATE] 3/13/2023  
[MANUFAC] H E Williams Inc  
[LUMCAT] LRX4-5-L8/935L/L10/935P-2-DMA-WSBL-DA-UNV (louvered ends only)  
[LUMINAIRE] RECESSED 5' FIXTURE w/ (2) 6" LOUVERS AT ENDS  
[LAMP] 96 LEDS (4 modules of 24)  
[BALLAST] ULT D10CC30UNVPW-C  
[OTHER] 24.7 C, 120.033 V, 0.200595 A, 23.9765 W, 0.995784 PF, 60.0072  
[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	1346
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	23.9765
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.92
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.92 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1975	2200	2352
55	1590	1529	1515
65	1352	1243	1203
75	1106	1018	957
85	716	633	625

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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	1104.0	1104.0	1104.0	1104.0	1104.0
0.5	1117.0	1100.0	1094.0	1110.0	1103.0
1.0	1116.0	1099.0	1093.0	1108.0	1101.0
1.5	1115.0	1097.0	1091.0	1105.0	1098.0
2.0	1114.0	1096.0	1089.0	1102.0	1094.0
2.5	1112.0	1093.0	1086.0	1099.0	1090.0
3.0	1110.0	1090.0	1083.0	1096.0	1085.0
3.5	1106.0	1086.0	1080.0	1092.0	1081.0
4.0	1099.0	1080.0	1076.0	1088.0	1076.0
4.5	1092.0	1073.0	1071.0	1084.0	1071.0
5.0	1085.0	1066.0	1065.0	1079.0	1066.0
5.5	1077.0	1057.0	1058.0	1074.0	1061.0
6.0	1069.0	1049.0	1051.0	1069.0	1055.0
6.5	1060.0	1040.0	1042.0	1063.0	1050.0
7.0	1051.0	1030.0	1033.0	1057.0	1044.0
7.5	1042.0	1021.0	1025.0	1050.0	1038.0
8.0	1032.0	1011.0	1015.0	1043.0	1031.0
8.5	1023.0	1002.0	1006.0	1036.0	1025.0
9.0	1014.0	991.8	996.4	1028.0	1019.0
9.5	1004.0	981.5	986.5	1020.0	1012.0
10.0	994.3	971.4	976.9	1011.0	1005.0
10.5	984.2	961.3	966.5	1003.0	997.3
11.0	973.9	950.8	956.5	993.9	989.6
11.5	963.3	940.3	946.0	984.7	982.2
12.0	952.6	929.8	935.4	975.4	974.8
12.5	941.7	919.0	924.8	965.8	966.8
13.0	930.8	908.5	914.1	956.2	959.3
13.5	919.6	897.5	903.6	946.7	951.1
14.0	908.5	886.6	893.1	937.0	943.2
14.5	896.7	875.1	882.1	927.3	935.0
15.0	885.2	864.6	871.3	917.2	925.2
15.5	873.8	853.1	860.1	906.8	915.4
16.0	862.6	842.2	849.2	895.6	904.5
16.5	851.0	831.0	838.0	884.2	893.4
17.0	839.2	819.5	826.9	871.8	882.3
17.5	827.7	808.3	815.9	859.3	871.3
18.0	816.0	796.8	804.8	846.5	860.2
18.5	804.5	785.3	793.6	833.9	848.9
19.0	793.0	773.5	782.5	821.2	837.5
19.5	781.1	761.9	771.2	808.8	825.8
20.0	770.0	750.2	759.8	796.1	814.6
20.5	758.3	738.2	748.4	783.6	803.0
21.0	746.1	726.3	736.5	770.8	791.5
21.5	734.1	714.4	724.5	758.1	780.3
22.0	721.9	702.4	712.3	745.6	769.2
22.5	709.9	690.5	699.9	733.0	757.6
23.0	697.4	678.4	687.5	720.5	746.1
23.5	685.2	666.5	675.1	708.3	734.5
24.0	672.8	654.4	662.6	696.2	722.7
24.5	660.2	642.6	650.4	684.3	710.5
25.0	647.7	630.9	638.0	672.5	698.3
25.5	635.0	618.9	625.7	660.6	686.1
26.0	622.4	607.2	613.4	648.7	673.9
26.5	609.8	595.3	601.4	636.7	661.4

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27.0	597.3	583.6	589.3	624.7	649.3
27.5	585.1	571.7	577.5	612.6	637.1
28.0	572.5	559.9	565.7	600.4	625.0
28.5	560.4	548.1	554.2	588.2	613.0
29.0	548.2	536.4	542.6	575.8	601.2
29.5	536.1	524.6	531.4	563.6	589.1
30.0	524.0	513.1	520.1	551.2	577.0
30.5	512.0	501.6	508.8	539.1	564.8
31.0	500.0	490.2	497.7	527.1	552.9
31.5	488.2	478.8	486.8	515.1	540.7
32.0	476.0	467.4	475.8	503.3	528.6
32.5	463.8	456.2	465.0	491.6	516.4
33.0	451.7	445.0	454.3	480.0	504.2
33.5	439.4	433.9	443.7	468.5	492.3
34.0	427.1	422.8	433.1	457.1	480.2
34.5	415.2	411.9	422.6	445.8	468.7
35.0	403.5	401.1	412.5	434.5	456.8
35.5	391.8	390.2	402.3	423.5	445.3
36.0	380.3	379.5	392.2	412.6	434.0
36.5	368.6	368.7	382.3	401.7	422.8
37.0	357.1	358.2	372.5	391.1	411.7
37.5	345.8	347.6	362.9	380.7	400.9
38.0	334.8	337.4	353.5	370.5	390.1
38.5	323.9	327.2	344.1	360.5	379.6
39.0	313.1	317.2	334.9	350.6	369.1
39.5	302.5	307.1	325.9	341.0	358.8
40.0	292.5	297.4	317.0	331.5	348.7
40.5	283.2	287.8	308.2	322.2	338.6
41.0	274.3	278.6	299.7	313.2	328.8
41.5	265.5	269.6	291.2	304.3	318.8
42.0	257.3	260.9	283.0	295.6	309.1
42.5	249.2	252.6	274.9	287.0	299.3
43.0	241.2	244.9	266.9	278.5	289.8
43.5	233.6	237.6	259.2	270.3	280.2
44.0	226.2	230.7	251.6	262.0	270.8
44.5	219.1	224.0	244.1	254.1	261.8
45.0	212.6	217.4	236.9	246.1	253.2
45.5	206.9	211.0	229.8	238.3	245.0
46.0	201.6	204.8	222.9	230.6	236.9
46.5	196.8	198.7	216.2	223.2	229.0
47.0	192.7	192.9	209.7	216.1	221.2
47.5	188.9	187.6	203.4	209.4	213.5
48.0	185.1	182.7	197.4	202.9	205.9
48.5	181.4	178.1	191.5	196.5	198.5
49.0	177.7	174.2	185.9	190.4	191.0
49.5	174.2	170.5	180.4	184.4	183.7
50.0	170.7	166.9	175.4	178.4	176.6
50.5	167.3	163.4	170.5	172.7	169.7
51.0	164.0	159.9	165.8	167.2	163.2
51.5	160.7	156.6	161.3	161.7	157.7
52.0	157.5	153.4	156.9	156.3	153.5
52.5	154.2	150.2	152.7	151.2	149.6
53.0	151.1	146.9	148.5	146.2	146.0
53.5	148.0	143.9	144.6	141.7	142.5
54.0	144.9	140.8	140.7	137.9	139.0
54.5	141.9	137.8	137.1	134.5	135.7

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## CANDELA TABULATION - (Cont.)

55.0	138.9	134.8	133.5	131.4	132.3
55.5	136.1	131.9	130.1	128.3	129.1
56.0	133.2	129.1	126.8	125.2	125.9
56.5	130.3	126.2	123.7	122.1	122.8
57.0	127.5	123.4	120.7	119.1	119.8
57.5	124.8	120.7	117.7	116.2	116.8
58.0	122.1	118.0	114.8	113.3	113.9
58.5	119.5	115.3	112.0	110.5	110.9
59.0	116.8	112.8	109.2	107.7	108.1
59.5	114.2	110.2	106.5	105.0	105.3
60.0	111.7	107.7	103.9	102.4	102.5
60.5	109.2	105.2	101.3	99.7	99.8
61.0	106.8	102.8	98.7	97.1	97.1
61.5	104.2	100.3	96.3	94.5	94.5
62.0	101.7	97.9	93.9	92.1	91.8
62.5	99.3	95.5	91.5	89.6	89.3
63.0	96.8	93.2	89.2	87.2	86.8
63.5	94.3	90.8	86.9	84.8	84.4
64.0	91.9	88.4	84.5	82.5	82.0
64.5	89.4	86.1	82.2	80.2	79.6
65.0	87.0	83.7	80.0	78.0	77.4
65.5	84.6	81.4	77.7	75.8	75.2
66.0	82.3	79.1	75.5	73.6	73.0
66.5	79.9	76.8	73.3	71.5	70.9
67.0	77.7	74.5	71.2	69.4	68.8
67.5	75.4	72.3	69.0	67.3	66.7
68.0	73.2	70.2	67.0	65.3	64.6
68.5	71.0	68.1	64.9	63.2	62.5
69.0	68.9	66.1	62.9	61.0	60.4
69.5	66.7	64.0	60.9	58.9	58.4
70.0	64.7	62.0	58.9	56.9	56.4
70.5	62.5	59.9	56.9	54.9	54.4
71.0	60.5	57.9	54.9	53.0	52.4
71.5	58.4	55.9	53.0	51.0	50.5
72.0	56.2	54.0	51.1	49.1	48.6
72.5	54.1	52.0	49.2	47.3	46.7
73.0	52.0	50.0	47.3	45.4	44.9
73.5	49.9	48.0	45.6	43.6	43.1
74.0	47.7	46.1	43.7	41.8	41.2
74.5	45.7	44.2	41.9	40.1	39.5
75.0	43.6	42.4	40.1	38.3	37.7
75.5	41.6	40.5	38.3	36.6	36.0
76.0	39.7	38.6	36.5	34.9	34.2
76.5	37.8	36.8	34.8	33.2	32.6
77.0	36.0	35.0	33.1	31.5	30.9
77.5	34.2	33.2	31.4	29.9	29.2
78.0	32.4	31.5	29.7	28.2	27.6
78.5	30.6	29.7	28.1	26.6	26.1
79.0	28.9	28.0	26.5	25.1	24.5
79.5	27.1	26.2	24.7	23.5	23.0
80.0	25.4	24.5	23.1	22.0	21.5
80.5	23.8	22.9	21.5	20.5	20.0
81.0	22.1	21.2	19.9	19.0	18.7
81.5	20.5	19.6	18.5	17.6	17.3
82.0	18.8	18.0	16.9	16.2	15.9
82.5	17.2	16.5	15.4	14.8	14.5

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83.0	15.7	14.9	13.9	13.5	13.2
83.5	14.2	13.5	12.5	12.1	12.0
84.0	12.6	12.0	11.1	10.8	10.7
84.5	11.0	10.5	9.7	9.5	9.5
85.0	9.5	9.1	8.4	8.3	8.3
85.5	8.1	7.7	7.2	7.1	7.1
86.0	6.8	6.3	6.0	5.9	6.1
86.5	5.5	5.0	4.8	4.9	5.2
87.0	4.2	3.9	3.8	4.1	4.3
87.5	2.9	2.8	2.9	3.2	3.4
88.0	1.9	1.9	2.1	2.4	2.7
88.5	1.2	1.2	1.5	1.8	2.2
89.0	0.8	0.8	1.0	1.4	1.8
89.5	0.6	0.6	0.7	0.7	0.8
90.0	0.0	0.0	0.0	0.0	0.0
90.5	0.0	0.0	0.0	0.0	0.0
91.0	0.0	0.0	0.0	0.0	0.0
91.5	0.0	0.0	0.0	0.0	0.0
92.0	0.0	0.0	0.0	0.0	0.0
92.5	0.0	0.0	0.0	0.0	0.0
93.0	0.0	0.0	0.0	0.0	0.0
93.5	0.0	0.0	0.0	0.0	0.0
94.0	0.0	0.0	0.0	0.0	0.0
94.5	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0	0.0	0.0
95.5	0.0	0.0	0.0	0.0	0.0
96.0	0.0	0.0	0.0	0.0	0.0
96.5	0.0	0.0	0.0	0.0	0.0
97.0	0.0	0.0	0.0	0.0	0.0
97.5	0.0	0.0	0.0	0.0	0.0
98.0	0.0	0.0	0.0	0.0	0.0
98.5	0.0	0.0	0.0	0.0	0.0
99.0	0.0	0.0	0.0	0.0	0.0
99.5	0.0	0.0	0.0	0.0	0.0
100.0	0.0	0.0	0.0	0.0	0.0
100.5	0.0	0.0	0.0	0.0	0.0
101.0	0.0	0.0	0.0	0.0	0.0
101.5	0.0	0.0	0.0	0.0	0.0
102.0	0.0	0.0	0.0	0.0	0.0
102.5	0.0	0.0	0.0	0.0	0.0
103.0	0.0	0.0	0.0	0.0	0.0
103.5	0.0	0.0	0.0	0.0	0.0
104.0	0.0	0.0	0.0	0.0	0.0
104.5	0.0	0.0	0.0	0.0	0.0
105.0	0.0	0.0	0.0	0.0	0.0
105.5	0.0	0.0	0.0	0.0	0.0
106.0	0.0	0.0	0.0	0.0	0.0
106.5	0.0	0.0	0.0	0.0	0.0
107.0	0.0	0.0	0.0	0.0	0.0
107.5	0.0	0.0	0.0	0.0	0.0
108.0	0.0	0.0	0.0	0.0	0.0
108.5	0.0	0.0	0.0	0.0	0.0
109.0	0.0	0.0	0.0	0.0	0.0
109.5	0.0	0.0	0.0	0.0	0.0
110.0	0.0	0.0	0.0	0.0	0.0
110.5	0.0	0.0	0.0	0.0	0.0

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111.0	0.0	0.0	0.0	0.0	0.0
111.5	0.0	0.0	0.0	0.0	0.0
112.0	0.0	0.0	0.0	0.0	0.0
112.5	0.0	0.0	0.0	0.0	0.0
113.0	0.0	0.0	0.0	0.0	0.0
113.5	0.0	0.0	0.0	0.0	0.0
114.0	0.0	0.0	0.0	0.0	0.0
114.5	0.0	0.0	0.0	0.0	0.0
115.0	0.0	0.0	0.0	0.0	0.0
115.5	0.0	0.0	0.0	0.0	0.0
116.0	0.0	0.0	0.0	0.0	0.0
116.5	0.0	0.0	0.0	0.0	0.0
117.0	0.0	0.0	0.0	0.0	0.0
117.5	0.0	0.0	0.0	0.0	0.0
118.0	0.0	0.0	0.0	0.0	0.0
118.5	0.0	0.0	0.0	0.0	0.0
119.0	0.0	0.0	0.0	0.0	0.0
119.5	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0
120.5	0.0	0.0	0.0	0.0	0.0
121.0	0.0	0.0	0.0	0.0	0.0
121.5	0.0	0.0	0.0	0.0	0.0
122.0	0.0	0.0	0.0	0.0	0.0
122.5	0.0	0.0	0.0	0.0	0.0
123.0	0.0	0.0	0.0	0.0	0.0
123.5	0.0	0.0	0.0	0.0	0.0
124.0	0.0	0.0	0.0	0.0	0.0
124.5	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0
125.5	0.0	0.0	0.0	0.0	0.0
126.0	0.0	0.0	0.0	0.0	0.0
126.5	0.0	0.0	0.0	0.0	0.0
127.0	0.0	0.0	0.0	0.0	0.0
127.5	0.0	0.0	0.0	0.0	0.0
128.0	0.0	0.0	0.0	0.0	0.0
128.5	0.0	0.0	0.0	0.0	0.0
129.0	0.0	0.0	0.0	0.0	0.0
129.5	0.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0	0.0
130.5	0.0	0.0	0.0	0.0	0.0
131.0	0.0	0.0	0.0	0.0	0.0
131.5	0.0	0.0	0.0	0.0	0.0
132.0	0.0	0.0	0.0	0.0	0.0
132.5	0.0	0.0	0.0	0.0	0.0
133.0	0.0	0.0	0.0	0.0	0.0
133.5	0.0	0.0	0.0	0.0	0.0
134.0	0.0	0.0	0.0	0.0	0.0
134.5	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0
135.5	0.0	0.0	0.0	0.0	0.0
136.0	0.0	0.0	0.0	0.0	0.0
136.5	0.0	0.0	0.0	0.0	0.0
137.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0
138.0	0.0	0.0	0.0	0.0	0.0
138.5	0.0	0.0	0.0	0.0	0.0

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-WSBL-DA-UNV LOUVERED ENDS ONLY\_.IES****CANDELA TABULATION - (Cont.)**

139.0	0.0	0.0	0.0	0.0	0.0
139.5	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0
140.5	0.0	0.0	0.0	0.0	0.0
141.0	0.0	0.0	0.0	0.0	0.0
141.5	0.0	0.0	0.0	0.0	0.0
142.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0
143.0	0.0	0.0	0.0	0.0	0.0
143.5	0.0	0.0	0.0	0.0	0.0
144.0	0.0	0.0	0.0	0.0	0.0
144.5	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0
145.5	0.0	0.0	0.0	0.0	0.0
146.0	0.0	0.0	0.0	0.0	0.0
146.5	0.0	0.0	0.0	0.0	0.0
147.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0
148.0	0.0	0.0	0.0	0.0	0.0
148.5	0.0	0.0	0.0	0.0	0.0
149.0	0.0	0.0	0.0	0.0	0.0
149.5	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0
150.5	0.0	0.0	0.0	0.0	0.0
151.0	0.0	0.0	0.0	0.0	0.0
151.5	0.0	0.0	0.0	0.0	0.0
152.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0
153.0	0.0	0.0	0.0	0.0	0.0
153.5	0.0	0.0	0.0	0.0	0.0
154.0	0.0	0.0	0.0	0.0	0.0
154.5	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0
155.5	0.0	0.0	0.0	0.0	0.0
156.0	0.0	0.0	0.0	0.0	0.0
156.5	0.0	0.0	0.0	0.0	0.0
157.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0
158.0	0.0	0.0	0.0	0.0	0.0
158.5	0.0	0.0	0.0	0.0	0.0
159.0	0.0	0.0	0.0	0.0	0.0
159.5	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0
160.5	0.0	0.0	0.0	0.0	0.0
161.0	0.0	0.0	0.0	0.0	0.0
161.5	0.0	0.0	0.0	0.0	0.0
162.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0
163.0	0.0	0.0	0.0	0.0	0.0
163.5	0.0	0.0	0.0	0.0	0.0
164.0	0.0	0.0	0.0	0.0	0.0
164.5	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0
165.5	0.0	0.0	0.0	0.0	0.0
166.0	0.0	0.0	0.0	0.0	0.0
166.5	0.0	0.0	0.0	0.0	0.0

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-WSBL-DA-UNV LOUVERED ENDS ONLY\_.IES****CANDELA TABULATION - (Cont.)**

167.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0
168.0	0.0	0.0	0.0	0.0	0.0
168.5	0.0	0.0	0.0	0.0	0.0
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****PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-WSBL-DA-UNV LOUVERED ENDS ONLY\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	347.62	N.A.	25.80
0-30	646.75	N.A.	48.10
0-40	908.65	N.A.	67.50
0-60	1211.9	N.A.	90.00
0-80	1335.38	N.A.	99.20
0-90	1345.87	N.A.	100.00
10-90	1246.3	N.A.	92.60
20-40	561.03	N.A.	41.70
20-50	743.20	N.A.	55.20
40-70	383.80	N.A.	28.50
60-80	123.47	N.A.	9.20
70-80	42.93	N.A.	3.20
80-90	10.50	N.A.	0.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1345.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	99.57
10-20	248.05
20-30	299.13
30-40	261.90
40-50	182.17
50-60	121.09
60-70	80.55
70-80	42.93
80-90	10.50
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-WSBL-DA-UNV LOUVERED ENDS ONLY\_.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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	68	88	79	72	67	77	71	66	74	69	65	72	68	65	63
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	53	52
7	74	63	55	50	73	62	55	50	60	54	50	59	53	49	58	53	49	47
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-WSBL-DA-UNV LOUVERED ENDS ONLY\_.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

X=2H	Y=2H	11.9	13.2	12.2	13.5	13.8	11.6	12.9	11.9	13.2	13.5
	3H	13.4	14.6	13.8	15.0	15.3	13.0	14.2	13.4	14.5	14.9
	4H	14.0	15.1	14.4	15.5	15.9	13.5	14.6	13.9	14.9	15.3
	6H	14.4	15.4	14.8	15.8	16.2	13.8	14.8	14.2	15.2	15.6
	8H	14.5	15.5	14.9	15.9	16.3	13.9	14.9	14.3	15.3	15.7
	12H	14.6	15.5	15.0	15.9	16.3	14.0	14.9	14.4	15.3	15.7

### UGR Viewed Endwise

4H	2H	12.3	13.4	12.7	13.8	14.2	12.1	13.2	12.5	13.5	13.9
	3H	14.1	15.0	14.5	15.4	15.8	13.7	14.6	14.1	15.0	15.4
	4H	14.8	15.6	15.2	16.0	16.5	14.3	15.1	14.7	15.5	16.0
	6H	15.3	16.0	15.8	16.5	16.9	14.8	15.5	15.2	15.9	16.4
	8H	15.4	16.1	15.9	16.6	17.0	14.9	15.5	15.3	16.0	16.5
	12H	15.5	16.1	16.0	16.6	17.1	15.0	15.5	15.4	16.0	16.5

8H	4H	15.0	15.6	15.4	16.1	16.5	14.5	15.2	15.0	15.6	16.1
	6H	15.6	16.1	16.1	16.6	17.1	15.1	15.6	15.6	16.1	16.6
	8H	15.8	16.3	16.3	16.8	17.3	15.3	15.8	15.8	16.3	16.8
	12H	15.9	16.4	16.5	16.9	17.4	15.4	15.8	15.9	16.3	16.9

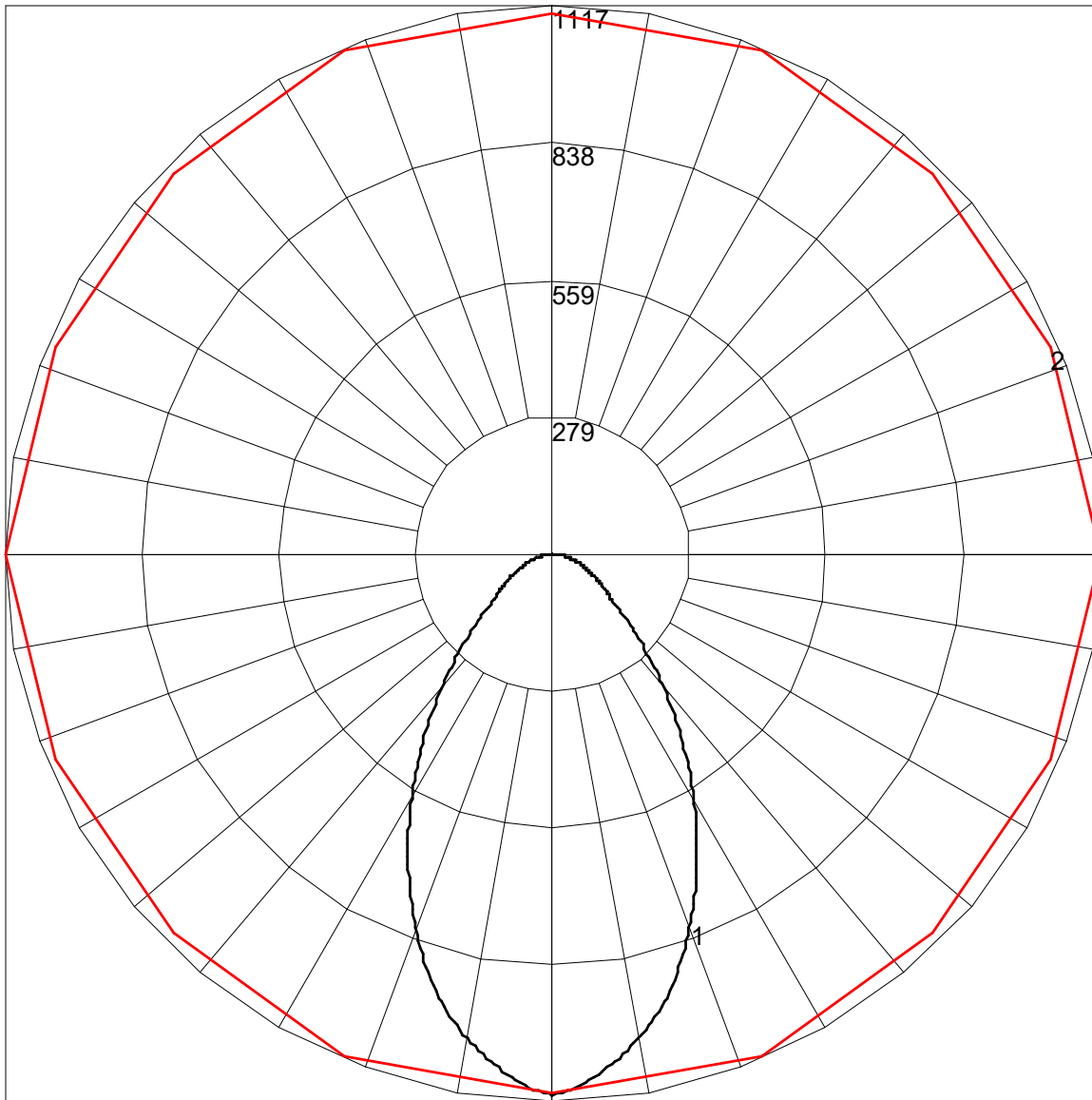
12H	4H	15.0	15.6	15.5	16.0	16.5	14.6	15.1	15.0	15.6	16.1
	6H	15.6	16.1	16.1	16.6	17.1	15.1	15.6	15.7	16.1	16.6
	8H	15.9	16.3	16.4	16.8	17.3	15.3	15.8	15.9	16.3	16.8

Maximum UGR = 17.4

IES INDOOR REPORT

PHOTOMETRIC FILENAME : LRX4-5-L8-935L-L10-935P-2-DMA-WSBL-DA-UNV LOUVERED ENDS ONLY\_.IES

POLAR GRAPH



Maximum Candela = 1117 Located At Horizontal Angle = 0, Vertical Angle = .5

# 1 - Vertical Plane Through Horizontal Angles (90 - 270)

# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)