

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P289933

Luminaire Tested: **4SSRK-LW-60-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289933
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-LW-60-L935-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4680.1 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

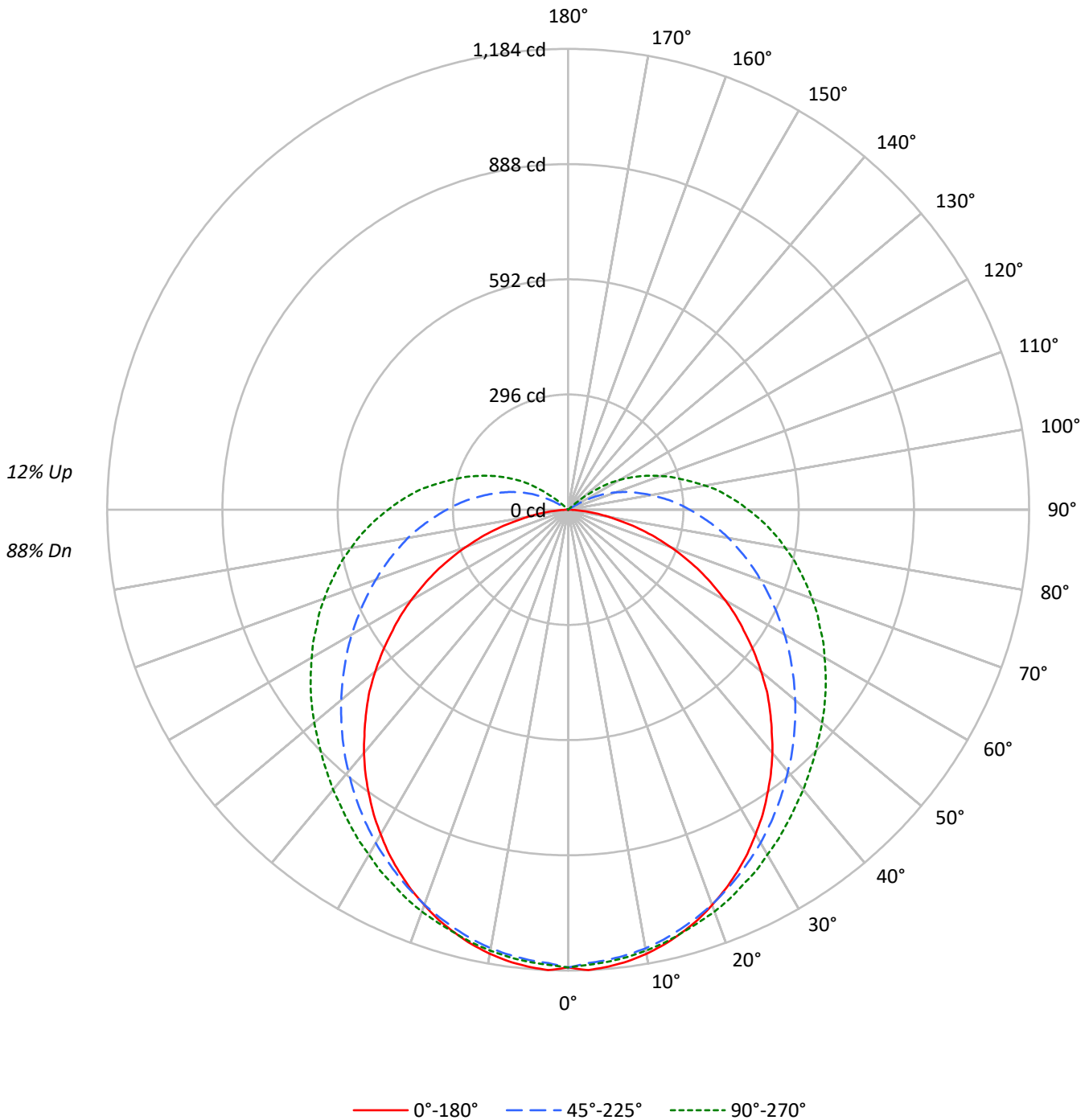
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									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	50	30	10	50	30	10	50	30	10	0																			
RCR																																														
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88																												
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67																												
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54																												
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44																												
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37																												
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32																												
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28																												
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24																												
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21																												
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19																												
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	75956	75956	75956
5°	76131	60223	56005
10°	75439	49907	44251
15°	74415	42239	36338
20°	73171	36369	30750
25°	71789	31658	26435
30°	70106	27820	23059
35°	68340	24558	20366
40°	66471	21781	18174
45°	64331	19423	16342
50°	61883	17354	14831
55°	59045	15533	13543
60°	56128	13928	12387
65°	52423	12493	11381
70°	47373	11218	10494
75°	40750	10070	9663
80°	31467	9039	8889
85°	18924	7994	8184



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	2.4
10°-20°	317.0	6.8
20°-30°	480.7	10.3
30°-40°	586.7	12.5
40°-50°	631.9	13.5
50°-60°	620.6	13.3
60°-70°	560.7	12.0
70°-80°	466.8	10.0
80°-90°	358.1	7.7
90°-100°	259.2	5.5
100°-110°	167.5	3.6
110°-120°	90.3	1.9
120°-130°	28.6	0.6
130°-140°	1.1	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	908.8	19.4
0°-40°	1495.5	32.0
0°-60°	2747.9	58.7
0°-90°	4133.5	88.3
90°-120°	517.0	11.0
90°-150°	546.6	11.7
90°-180°	547.0	11.7
0°-180°	4680.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1176	1176	1176	1176	1176	
5°	1179	1174	1161	1170	1166	112
15°	1125	1123	1116	1128	1126	317
25°	1027	1028	1036	1058	1063	473
35°	892	904	935	972	982	558
45°	734	762	820	874	895	566
55°	556	611	701	779	807	498
65°	374	455	583	680	713	369
75°	189	313	471	580	617	200
85°	38	192	363	476	516	45
90°	1	144	312	424	462	2
95°	2	105	264	374	411	2
105°	2	37	172	269	302	3
115°	2	2	87	171	204	2
125°	1	1	1	69	98	1
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1176.1	1176.1	1176.1	1176.1	1176.1
2.5°	1184.1	1179.2	1166.2	1174.2	1170.5
5°	1178.6	1174.2	1161.2	1169.9	1166.2
7.5°	1170.5	1166.2	1153.8	1162.5	1159.4
10°	1158.8	1154.4	1144.5	1153.2	1150.7
12.5°	1143.9	1140.8	1131.5	1142.1	1139.6
15°	1125.4	1122.9	1115.5	1127.8	1126.0
17.5°	1105.6	1103.1	1098.8	1111.8	1112.4
20°	1080.8	1080.2	1079.6	1096.3	1098.8
22.5°	1055.5	1056.1	1058.5	1079.0	1082.7
25°	1027.0	1028.2	1036.3	1058.5	1062.9
27.5°	996.7	1001.0	1012.8	1038.7	1045.6
30°	962.7	970.1	988.6	1015.9	1023.3
32.5°	929.2	937.3	962.0	994.2	1004.1
35°	892.1	903.9	934.8	971.9	981.8
37.5°	855.0	868.6	907.0	947.2	959.6
40°	816.0	834.0	877.9	923.1	939.1
42.5°	774.0	799.3	850.1	898.3	916.3
45°	733.7	761.6	820.4	874.2	894.6
47.5°	692.3	725.7	790.7	850.7	872.3
50°	646.5	686.7	761.0	827.2	851.3
52.5°	602.0	649.6	731.3	803.0	829.6
55°	555.6	610.6	701.0	778.9	807.4
57.5°	512.3	571.0	671.9	753.5	783.9
60°	465.9	532.7	641.6	730.0	760.3
62.5°	418.8	494.3	611.9	704.7	738.7
65°	373.7	454.7	582.8	680.5	713.3
67.5°	325.4	418.8	554.3	654.6	691.7
70°	279.6	381.7	525.9	629.8	666.3
72.5°	233.9	345.8	498.0	605.1	642.2
75°	188.7	313.0	470.8	579.7	616.8
77.5°	143.5	278.4	443.0	554.3	593.3
80°	104.6	248.1	418.2	528.3	566.1
82.5°	71.1	219.6	390.4	503.6	542.0
85°	37.7	191.8	363.2	476.4	516.0
87.5°	11.1	167.0	336.6	449.8	489.4
90°	1.2	144.2	311.8	423.8	462.1
92.5°	1.9	124.4	288.3	400.3	437.4
95°	2.5	104.6	264.2	374.3	410.8
97.5°	2.5	87.2	239.4	347.7	386.7
100°	2.5	70.5	215.9	320.5	356.4
102.5°	2.5	55.1	193.6	293.2	328.5
105°	2.5	37.1	172.0	269.1	302.5
107.5°	2.5	18.6	151.0	245.6	278.4
110°	2.5	3.7	129.9	221.5	253.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	2.5	109.5	196.1	228.3
115°	1.9	1.9	86.6	171.4	203.5
117.5°	1.9	1.9	61.9	148.5	177.6
120°	1.9	1.2	35.9	124.4	153.4
122.5°	1.2	1.2	11.8	96.5	128.1
125°	1.2	0.6	0.6	68.7	97.7
127.5°	1.2	0.6	0.0	38.4	66.2
130°	1.2	0.6	0.0	11.1	37.7
132.5°	1.2	0.6	0.0	0.0	8.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)