

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: P290109

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-LN-60-L935-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5260.4 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

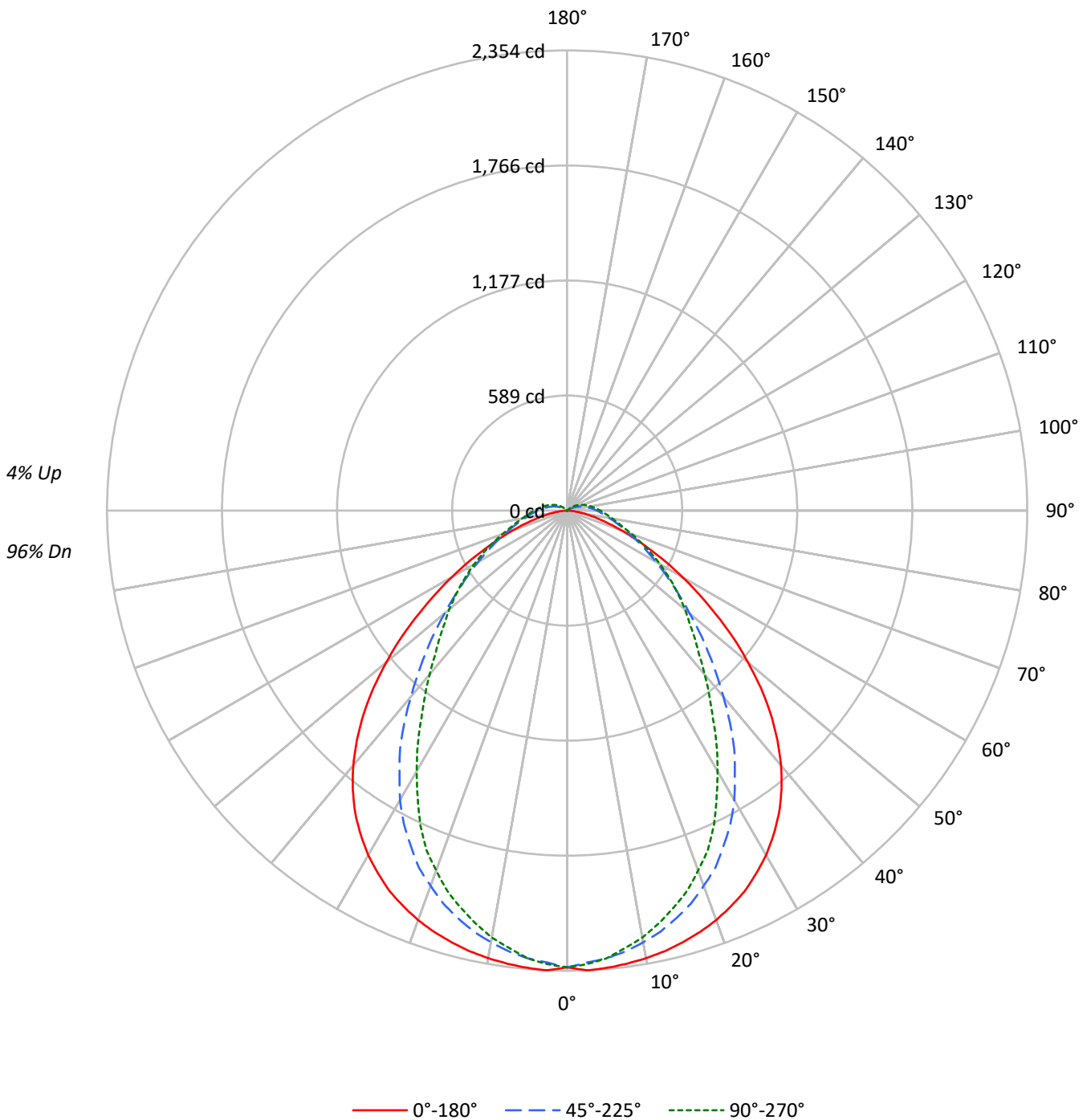
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0		
RCR																										
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96					96			
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81					81			
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69					69			
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59					59			
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52					52			
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46					46			
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41					41			
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36					36			
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33					33			
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30					30			
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	150905	150905	150905
5°	151654	119258	110430
10°	151353	97790	85292
15°	151151	81732	67862
20°	150906	68816	54831
25°	150190	57832	44172
30°	148222	48121	34671
35°	144786	39185	26987
40°	138733	30852	21203
45°	129206	24108	16849
50°	115477	18636	13720
55°	99078	14503	11145
60°	82053	11375	8961
65°	64922	8952	7078
70°	50101	7086	5563
75°	36862	5756	4429
80°	25871	4746	3671
85°	14908	4004	3129



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.4	4.2
10°-20°	614.3	11.7
20°-30°	885.3	16.8
30°-40°	959.0	18.2
40°-50°	849.4	16.1
50°-60°	646.3	12.3
60°-70°	430.6	8.2
70°-80°	266.0	5.1
80°-90°	166.7	3.2
90°-100°	109.5	2.1
100°-110°	67.1	1.3
110°-120°	34.6	0.7
120°-130°	11.3	0.2
130°-140°	0.7	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°	1719.0	32.7
0°-40°	2678.0	50.9
0°-60°	4173.7	79.3
0°-90°	5037.0	95.8
90°-120°	211.3	4.0
90°-150°	223.3	4.2
90°-180°	223.0	4.2
0°-180°	5260.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2337	2337	2337	2337	2337	
5°	2348	2333	2300	2308	2300	223
15°	2286	2243	2158	2129	2103	646
25°	2149	2048	1893	1812	1776	988
35°	1890	1713	1492	1351	1301	1178
45°	1474	1243	1018	941	922	1130
55°	932	761	654	663	664	837
65°	463	406	418	442	444	467
75°	171	208	269	287	283	189
85°	30	107	182	200	197	36
90°	1	78	152	171	170	2
95°	3	55	126	145	145	2
105°	2	22	79	100	103	2
115°	2	2	40	62	68	2
125°	1	1	1	27	34	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°	2336.6	2336.6	2336.6	2336.6	2336.6
2.5°	2354.0	2341.0	2314.4	2329.8	2322.4
5°	2347.8	2332.9	2299.5	2308.2	2299.5
7.5°	2337.9	2319.3	2274.8	2278.5	2258.1
10°	2324.9	2300.1	2242.6	2236.4	2217.9
12.5°	2308.2	2273.5	2206.1	2181.4	2163.4
15°	2285.9	2242.6	2158.5	2129.4	2102.8
17.5°	2260.5	2204.9	2107.1	2071.9	2040.3
20°	2229.0	2159.1	2042.8	1993.9	1959.3
22.5°	2190.6	2109.0	1979.1	1907.9	1880.1
25°	2148.6	2047.7	1893.1	1812.0	1776.1
27.5°	2093.5	1980.3	1808.3	1706.9	1655.5
30°	2035.4	1900.5	1710.0	1593.0	1538.6
32.5°	1965.5	1813.3	1596.1	1471.8	1423.5
35°	1890.0	1713.0	1491.6	1351.1	1301.0
37.5°	1800.9	1604.8	1367.2	1238.5	1194.6
40°	1703.1	1487.2	1243.5	1130.3	1095.6
42.5°	1591.8	1367.8	1127.2	1029.4	999.7
45°	1473.6	1242.9	1018.3	941.0	922.4
47.5°	1344.9	1117.9	916.2	861.2	847.6
50°	1206.4	992.9	817.2	786.9	787.5
52.5°	1074.6	874.8	733.1	725.1	723.2
55°	932.3	760.9	654.5	662.6	664.4
57.5°	803.6	655.2	587.7	602.6	604.4
60°	681.1	560.5	524.0	546.9	550.0
62.5°	569.2	479.5	469.6	493.1	492.4
65°	462.8	405.8	417.6	441.7	443.6
67.5°	372.4	345.8	374.3	395.3	394.1
70°	295.7	292.0	332.2	354.5	353.2
72.5°	230.1	246.8	299.4	318.6	313.7
75°	170.7	207.9	269.1	287.1	282.7
77.5°	125.6	175.7	242.5	259.8	256.7
80°	86.0	149.1	219.6	237.6	233.8
82.5°	55.1	126.8	199.8	217.1	214.7
85°	29.7	107.0	181.9	200.4	197.3
87.5°	11.1	90.9	165.8	184.4	183.1
90°	1.2	77.9	151.6	170.7	169.5
92.5°	1.9	66.2	138.0	157.8	157.8
95°	3.1	55.1	125.6	145.4	144.8
97.5°	2.5	46.4	112.0	133.6	133.6
100°	2.5	38.4	99.6	121.3	122.5
102.5°	2.5	30.3	89.1	110.1	112.6
105°	1.9	21.7	78.6	100.2	102.7
107.5°	1.9	12.4	68.1	90.9	94.0
110°	1.9	3.1	58.8	81.0	84.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	1.9	49.5	71.8	75.5
115°	1.9	1.9	40.2	62.5	68.1
117.5°	1.2	1.2	29.7	54.4	59.4
120°	1.2	1.2	18.6	45.8	50.7
122.5°	1.2	1.2	8.0	36.5	43.3
125°	1.2	1.2	1.2	27.2	34.0
127.5°	1.2	1.2	0.6	16.1	24.1
130°	1.2	1.2	0.6	6.2	14.8
132.5°	1.2	1.2	0.6	0.6	4.3
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)