

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: P290141

Luminaire Tested: **8SSRK-LN-60-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290141
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: 8SSRK-LN-60-L935-CD1-U
Description: 6000 LUMEN, 8 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: 5217.1 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

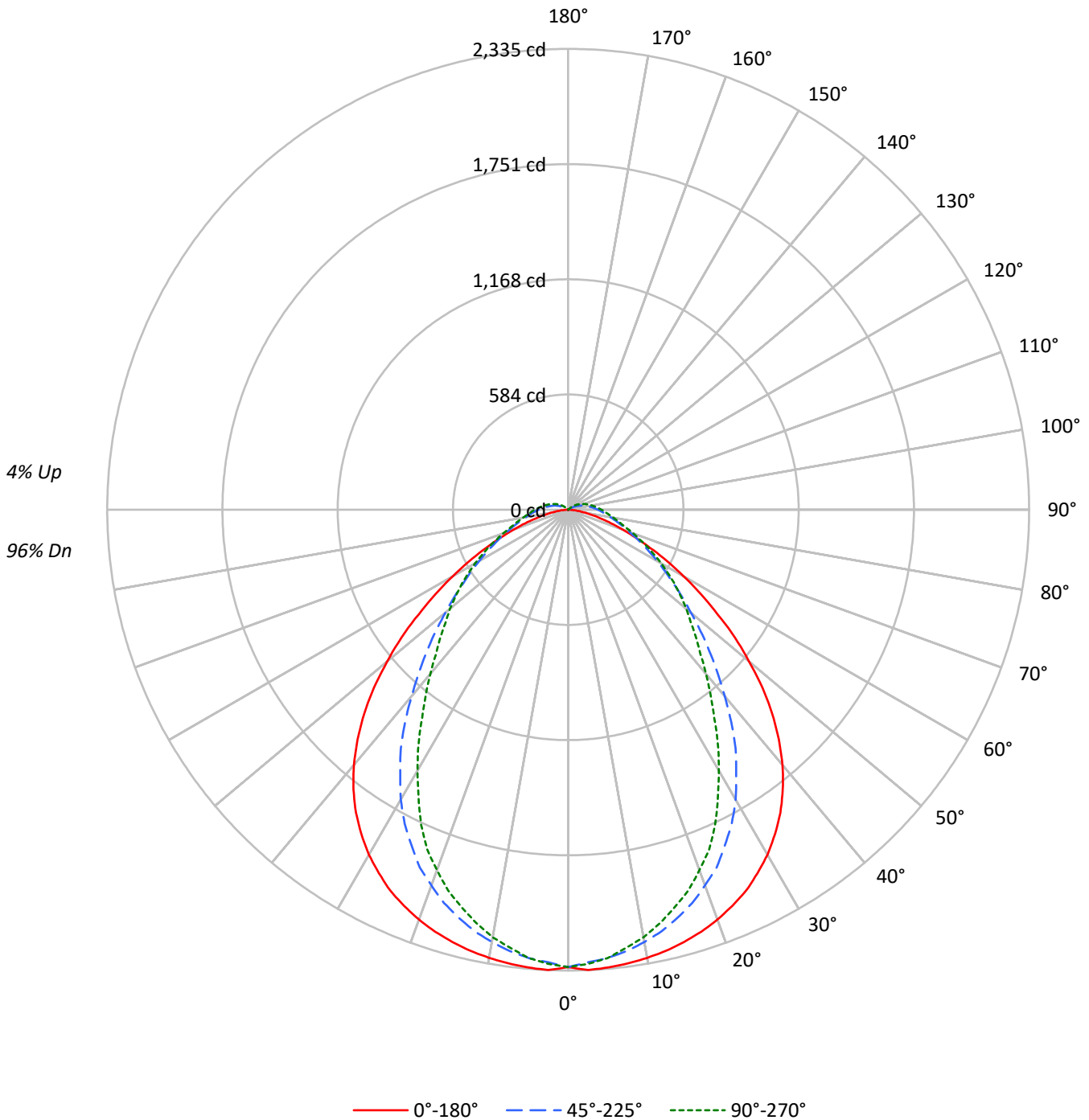
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74832	74832	74832
5°	75341	59200	54761
10°	75326	48575	42294
15°	75370	40620	33652
20°	75393	34215	27189
25°	75193	28762	21905
30°	74373	23939	17192
35°	72828	19498	13383
40°	69978	15355	10514
45°	65380	12000	8355
50°	58647	9278	6804
55°	50550	7221	5527
60°	42106	5665	4444
65°	33564	4459	3509
70°	26192	3531	2758
75°	19599	2868	2196
80°	14186	2365	1821
85°	8828	1995	1552



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.6	4.2
10°-20°	609.3	11.7
20°-30°	878.0	16.8
30°-40°	951.1	18.2
40°-50°	842.4	16.1
50°-60°	641.0	12.3
60°-70°	427.1	8.2
70°-80°	263.9	5.1
80°-90°	165.3	3.2
90°-100°	108.6	2.1
100°-110°	66.6	1.3
110°-120°	34.3	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°	1704.9	32.7
0°-40°	2656.0	50.9
0°-60°	4139.4	79.3
0°-90°	4995.6	95.8
90°-120°	209.6	4.0
90°-150°	221.5	4.2
90°-180°	221.0	4.2
0°-180°	5217.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2317	2317	2317	2317	2317	
5°	2328	2314	2281	2289	2281	221
15°	2267	2224	2141	2112	2086	640
25°	2131	2031	1878	1797	1762	980
35°	1874	1699	1479	1340	1290	1168
45°	1462	1233	1010	933	915	1121
55°	925	755	649	657	659	831
65°	459	402	414	438	440	463
75°	169	206	267	285	280	187
85°	30	106	180	199	196	36
90°	1	77	150	169	168	2
95°	3	55	125	144	144	2
105°	2	22	78	99	102	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°	2317.4	2317.4	2317.4	2317.4	2317.4
2.5°	2334.6	2321.7	2295.3	2310.7	2303.3
5°	2328.5	2313.7	2280.6	2289.2	2280.6
7.5°	2318.6	2300.2	2256.1	2259.7	2239.5
10°	2305.7	2281.2	2224.1	2218.0	2199.6
12.5°	2289.2	2254.8	2187.9	2163.4	2145.6
15°	2267.1	2224.1	2140.7	2111.9	2085.5
17.5°	2241.9	2186.7	2089.8	2054.8	2023.5
20°	2210.6	2141.3	2026.0	1977.5	1943.1
22.5°	2172.6	2091.6	1962.8	1892.2	1864.6
25°	2130.9	2030.9	1877.5	1797.1	1761.5
27.5°	2076.3	1964.0	1793.4	1692.8	1641.9
30°	2018.6	1884.8	1695.9	1579.9	1525.9
32.5°	1949.3	1798.3	1583.0	1459.7	1411.8
35°	1874.4	1698.9	1479.3	1340.0	1290.3
37.5°	1786.1	1591.6	1356.0	1228.3	1184.8
40°	1689.1	1475.0	1233.3	1121.0	1086.6
42.5°	1578.7	1356.6	1117.9	1021.0	991.5
45°	1461.5	1232.6	1009.9	933.2	914.8
47.5°	1333.9	1108.7	908.7	854.1	840.6
50°	1196.4	984.8	810.5	780.4	781.1
52.5°	1065.7	867.6	727.1	719.1	717.2
55°	924.6	754.7	649.1	657.1	659.0
57.5°	797.0	649.8	582.9	597.6	599.4
60°	675.5	555.9	519.7	542.4	545.5
62.5°	564.5	475.5	465.7	489.0	488.4
65°	458.9	402.5	414.2	438.1	439.9
67.5°	369.4	343.0	371.2	392.1	390.8
70°	293.3	289.6	329.5	351.6	350.3
72.5°	228.2	244.8	297.0	316.0	311.1
75°	169.3	206.2	266.9	284.7	280.4
77.5°	124.6	174.3	240.5	257.7	254.6
80°	85.3	147.9	217.8	235.6	231.9
82.5°	54.6	125.8	198.2	215.4	212.9
85°	29.5	106.1	180.4	198.8	195.7
87.5°	11.0	90.2	164.4	182.8	181.6
90°	1.2	77.3	150.3	169.3	168.1
92.5°	1.8	65.7	136.8	156.5	156.5
95°	3.1	54.6	124.6	144.2	143.6
97.5°	2.5	46.0	111.1	132.5	132.5
100°	2.5	38.0	98.8	120.3	121.5
102.5°	2.5	30.1	88.4	109.2	111.7
105°	1.8	21.5	77.9	99.4	101.9
107.5°	1.8	12.3	67.5	90.2	93.3
110°	1.8	3.1	58.3	80.4	84.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	1.8	49.1	71.2	74.9
115°	1.8	1.8	39.9	62.0	67.5
117.5°	1.2	1.2	29.5	54.0	58.9
120°	1.2	1.2	18.4	45.4	50.3
122.5°	1.2	1.2	8.0	36.2	42.9
125°	1.2	1.2	1.2	27.0	33.7
127.5°	1.2	1.2	0.6	16.0	23.9
130°	1.2	1.2	0.6	6.1	14.7
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)