

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: P290069

Luminaire Tested: **8SSRK-RB-10-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-RB-10-L935-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8487.6 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

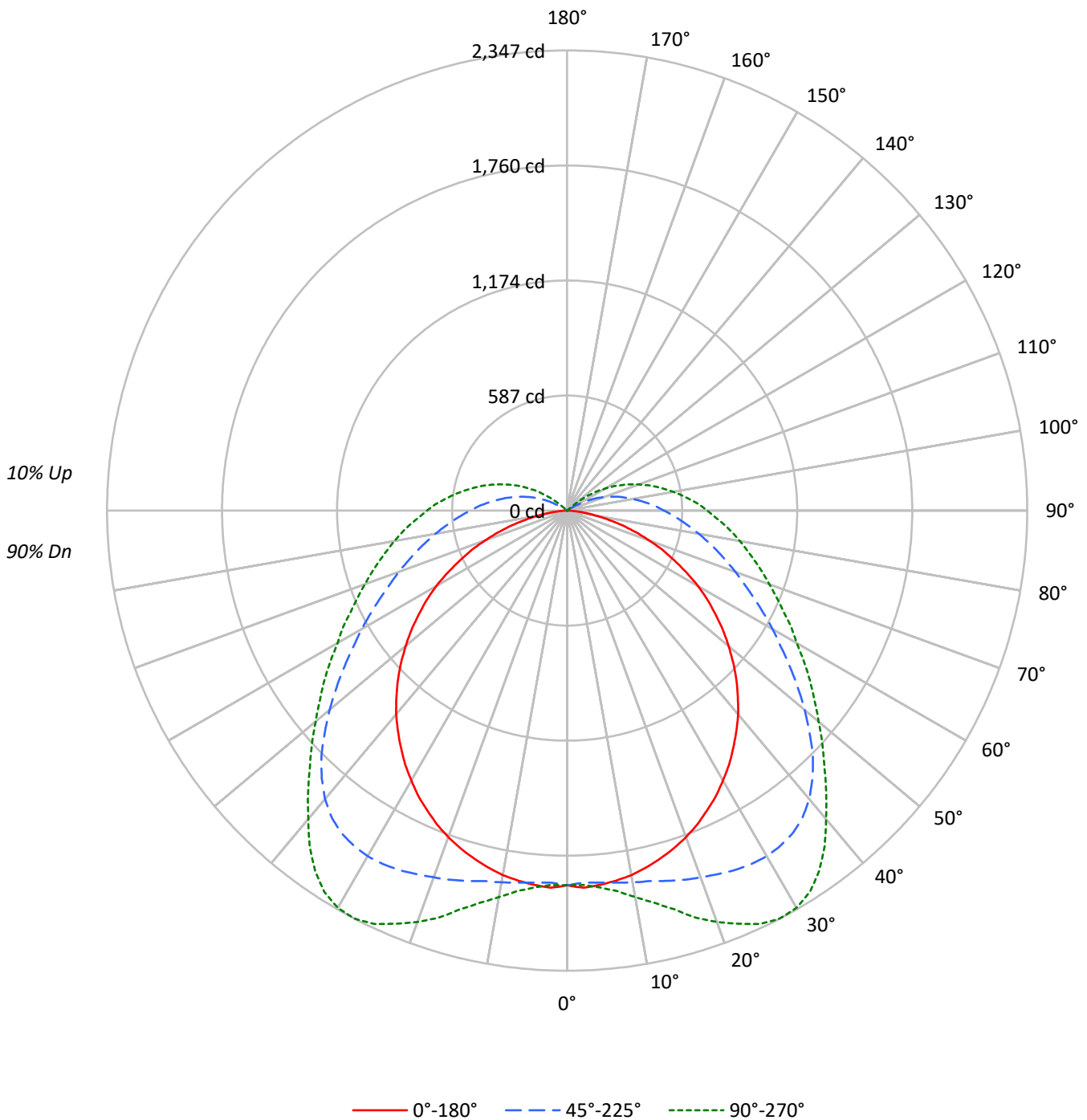
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90				
1	104	98	93	88	100	95	90	86	89	85	81	83	80	77	78	75	73	70				
2	94	84	77	70	90	82	74	68	76	70	65	71	67	62	67	63	59	57				
3	85	73	64	57	81	71	63	56	66	60	54	62	56	52	58	54	49	47				
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	39				
5	71	57	48	41	68	56	47	40	52	45	39	49	43	37	46	41	36	34				
6	65	51	42	35	63	50	41	35	47	39	34	44	38	32	42	36	31	29				
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	25				
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	22				
9	52	38	30	24	50	37	29	24	36	28	23	34	27	23	32	26	22	20				
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	30	24	20	18				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	61715	61715	61715
5°	62007	49453	46338
10°	61667	42056	38491
15°	61074	37106	33962
20°	60445	33615	31236
25°	59561	30997	28924
30°	58549	28737	26358
35°	57422	26454	23249
40°	56240	23911	19878
45°	54604	21060	16949
50°	52672	18098	14587
55°	50528	15423	12680
60°	48053	13194	11008
65°	44111	11302	9705
70°	39891	9782	8639
75°	33722	8505	7763
80°	25329	7410	7030
85°	13855	6443	6359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	2.2
10°-20°	559.1	6.6
20°-30°	930.8	11.0
30°-40°	1203.8	14.2
40°-50°	1271.4	15.0
50°-60°	1172.3	13.8
60°-70°	985.1	11.6
70°-80°	771.9	9.1
80°-90°	567.8	6.7
90°-100°	404.6	4.8
100°-110°	259.9	3.1
110°-120°	136.4	1.6
120°-130°	39.7	0.5
130°-140°	0.9	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°	1673.7	19.7
0°-40°	2877.5	33.9
0°-60°	5321.2	62.7
0°-90°	7646.0	90.1
90°-120°	801.0	9.4
90°-150°	841.6	9.9
90°-180°	842.0	9.9
0°-180°	8487.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1911	1911	1911	1911	1911	
5°	1916	1915	1905	1930	1930	182
15°	1837	1873	1956	2072	2105	518
25°	1688	1783	2023	2255	2326	778
35°	1478	1643	2007	2212	2242	925
45°	1221	1438	1772	1848	1856	941
55°	924	1149	1386	1481	1512	827
65°	603	825	1050	1178	1216	601
75°	291	537	792	942	991	310
85°	46	314	582	748	802	61
90°	1	230	494	662	714	2
95°	3	167	416	580	632	2
105°	3	54	271	421	470	3
115°	2	3	130	261	307	2
125°	2	1	0	94	139	2
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°	1911.2	1911.2	1911.2	1911.2	1911.2
2.5°	1925.6	1917.4	1898.9	1915.4	1911.2
5°	1916.4	1915.4	1905.1	1929.8	1929.8
7.5°	1904.0	1908.1	1913.3	1954.5	1957.6
10°	1887.6	1899.9	1925.6	1988.4	2001.8
12.5°	1863.9	1886.5	1935.9	2026.5	2048.1
15°	1837.1	1873.2	1955.5	2071.8	2104.7
17.5°	1806.3	1853.6	1975.0	2127.4	2176.8
20°	1772.3	1834.0	1990.5	2177.8	2232.3
22.5°	1733.2	1810.4	2007.0	2219.0	2280.7
25°	1687.9	1782.6	2023.4	2255.0	2326.0
27.5°	1642.6	1753.8	2032.7	2277.6	2346.6
30°	1589.1	1721.9	2035.8	2280.7	2339.4
32.5°	1536.6	1686.9	2026.5	2259.1	2305.4
35°	1477.9	1642.6	2007.0	2211.8	2241.6
37.5°	1417.2	1595.3	1973.0	2138.7	2157.2
40°	1357.5	1551.0	1920.5	2046.1	2054.3
42.5°	1288.6	1494.4	1852.6	1948.3	1956.5
45°	1220.6	1437.8	1772.3	1848.5	1855.7
47.5°	1148.6	1373.0	1677.6	1748.6	1766.1
50°	1074.5	1301.9	1580.9	1656.0	1674.5
52.5°	1002.4	1228.9	1483.1	1568.5	1590.1
55°	924.2	1148.6	1386.3	1481.0	1511.9
57.5°	849.1	1069.3	1292.7	1397.7	1431.6
60°	770.9	988.0	1210.3	1320.5	1351.3
62.5°	688.5	905.7	1126.0	1249.5	1288.6
65°	603.1	825.4	1049.8	1178.4	1216.5
67.5°	528.0	748.2	976.7	1112.6	1155.8
70°	446.7	674.1	912.9	1053.9	1097.1
72.5°	367.4	605.2	849.1	997.3	1043.6
75°	291.3	537.2	791.5	941.7	991.1
77.5°	217.2	474.5	734.9	891.3	940.7
80°	152.3	416.8	682.4	842.9	895.4
82.5°	94.7	365.4	630.9	795.6	849.1
85°	46.3	313.9	582.5	748.2	801.8
87.5°	13.4	268.6	537.2	702.9	755.4
90°	1.0	230.5	494.0	661.8	714.3
92.5°	2.1	196.6	457.0	620.6	676.2
95°	3.1	166.7	415.8	580.5	631.9
97.5°	3.1	137.9	377.7	540.3	590.8
100°	3.1	110.1	340.7	498.1	549.6
102.5°	3.1	83.4	304.6	459.0	508.4
105°	3.1	54.5	270.7	420.9	470.3
107.5°	3.1	23.7	234.7	379.8	429.2
110°	3.1	5.1	199.7	341.7	390.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	3.1	166.7	301.6	349.9
115°	2.1	3.1	129.7	261.4	306.7
117.5°	2.1	2.1	88.5	222.3	268.6
120°	2.1	2.1	46.3	183.2	225.4
122.5°	2.1	1.0	9.3	140.0	186.3
125°	2.1	1.0	0.0	93.7	138.9
127.5°	2.1	1.0	0.0	48.4	94.7
130°	1.0	1.0	0.0	7.2	45.3
132.5°	1.0	1.0	0.0	0.0	2.1
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)