

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: P290067

Luminaire Tested: **8SSRK-RB-80-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290067
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-80-L850-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8374.2 lumens
Efficiency: N/A
Efficacy: 147.8 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

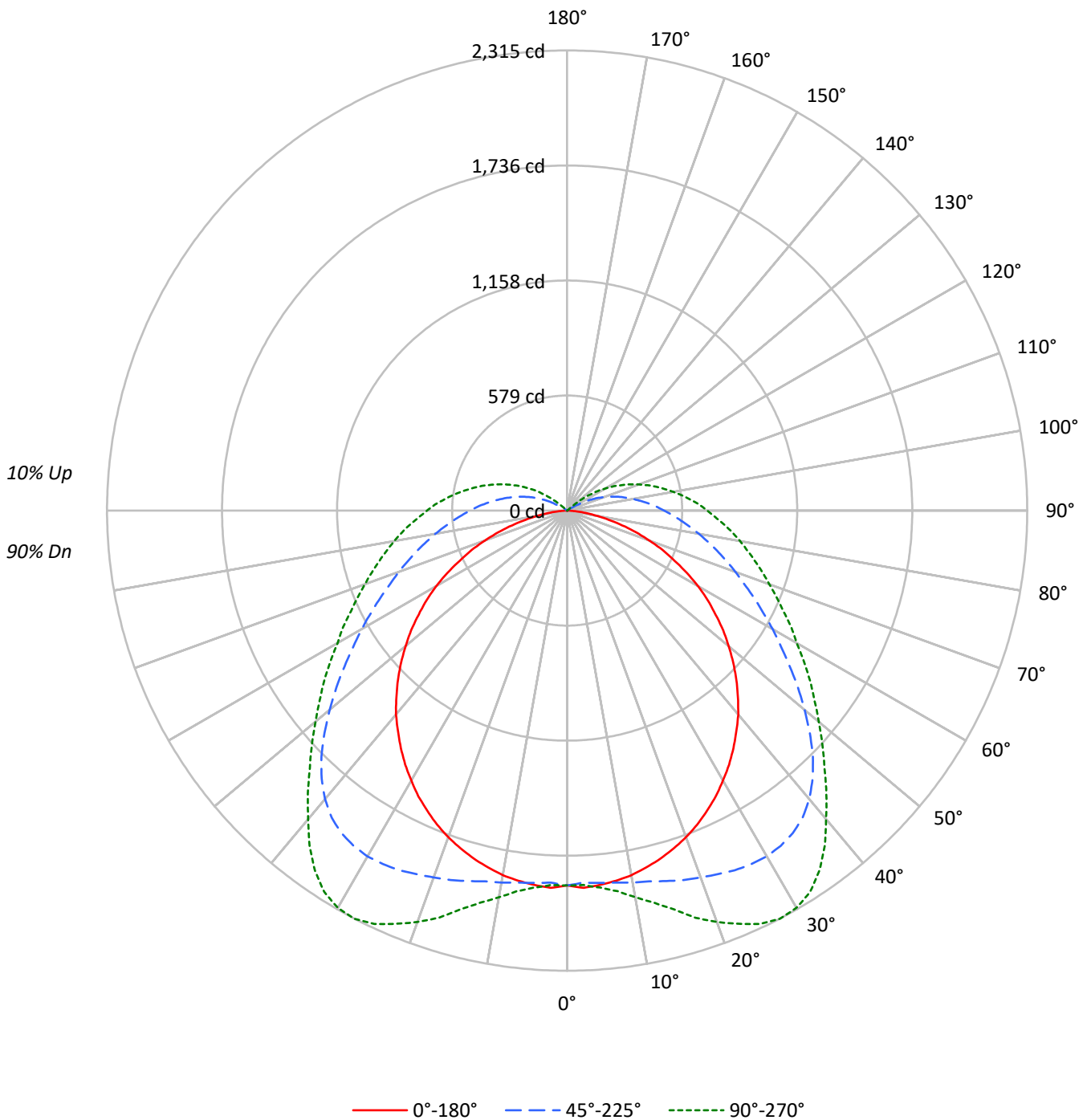
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	60892	60892	60892
5°	61178	48791	45719
10°	60844	41495	37977
15°	60260	36610	33508
20°	59636	33166	30819
25°	58767	30584	28538
30°	57767	28353	26005
35°	56657	26099	22939
40°	55490	23591	19613
45°	53874	20778	16722
50°	51966	17855	14392
55°	49855	15217	12511
60°	47411	13018	10861
65°	43526	11151	9575
70°	39356	9651	8524
75°	33271	8391	7660
80°	24996	7311	6936
85°	13675	6357	6273



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.3	2.2
10°-20°	551.6	6.6
20°-30°	918.4	11.0
30°-40°	1187.7	14.2
40°-50°	1254.5	15.0
50°-60°	1156.6	13.8
60°-70°	972.0	11.6
70°-80°	761.6	9.1
80°-90°	560.2	6.7
90°-100°	399.2	4.8
100°-110°	256.5	3.1
110°-120°	134.6	1.6
120°-130°	39.1	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°	1651.3	19.7
0°-40°	2839.0	33.9
0°-60°	5250.1	62.7
0°-90°	7543.9	90.1
90°-120°	790.3	9.4
90°-150°	830.3	9.9
90°-180°	830.0	9.9
0°-180°	8374.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1886	1886	1886	1886	1886	
5°	1891	1890	1880	1904	1904	180
15°	1813	1848	1929	2044	2077	511
25°	1665	1759	1996	2225	2295	768
35°	1458	1621	1980	2182	2212	912
45°	1204	1419	1749	1824	1831	928
55°	912	1133	1368	1461	1492	816
65°	595	814	1036	1163	1200	593
75°	287	530	781	929	978	306
85°	46	310	575	738	791	60
90°	1	228	487	653	705	2
95°	3	164	410	573	624	2
105°	3	54	267	415	464	3
115°	2	3	128	258	303	2
125°	2	1	0	92	137	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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CATALOG NUMBER: 8SSRK-RB-80-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1885.7	1885.7	1885.7	1885.7	1885.7
2.5°	1899.9	1891.8	1873.5	1889.8	1885.7
5°	1890.8	1889.8	1879.6	1904.0	1904.0
7.5°	1878.6	1882.7	1887.7	1928.4	1931.4
10°	1862.4	1874.5	1899.9	1961.9	1975.1
12.5°	1839.0	1861.3	1910.1	1999.4	2020.8
15°	1812.6	1848.1	1929.4	2044.1	2076.6
17.5°	1782.1	1828.8	1948.7	2099.0	2147.7
20°	1748.6	1809.5	1963.9	2148.7	2202.5
22.5°	1710.0	1786.2	1980.1	2189.3	2250.3
25°	1665.4	1758.8	1996.4	2224.9	2294.9
27.5°	1620.7	1730.3	2005.5	2247.2	2315.2
30°	1567.9	1698.9	2008.6	2250.3	2308.1
32.5°	1516.1	1664.3	1999.4	2228.9	2274.6
35°	1458.2	1620.7	1980.1	2182.2	2211.7
37.5°	1398.3	1574.0	1946.6	2110.1	2128.4
40°	1339.4	1530.3	1894.8	2018.7	2026.9
42.5°	1271.4	1474.4	1827.8	1922.3	1930.4
45°	1204.3	1418.6	1748.6	1823.8	1830.9
47.5°	1133.3	1354.6	1655.2	1725.3	1742.5
50°	1060.1	1284.6	1559.7	1633.9	1652.2
52.5°	989.1	1212.5	1463.3	1547.6	1568.9
55°	911.9	1133.3	1367.8	1461.2	1491.7
57.5°	837.8	1055.1	1275.4	1379.0	1412.5
60°	760.6	974.8	1194.2	1302.8	1333.3
62.5°	679.3	893.6	1110.9	1232.8	1271.4
65°	595.1	814.4	1035.8	1162.7	1200.3
67.5°	520.9	738.2	963.7	1097.7	1140.4
70°	440.7	665.1	900.7	1039.8	1082.5
72.5°	362.5	597.1	837.8	984.0	1029.7
75°	287.4	530.1	780.9	929.1	977.9
77.5°	214.3	468.1	725.0	879.4	928.1
80°	150.3	411.3	673.2	831.7	883.4
82.5°	93.4	360.5	622.5	784.9	837.8
85°	45.7	309.7	574.7	738.2	791.0
87.5°	13.2	265.0	530.1	693.6	745.3
90°	1.0	227.5	487.4	652.9	704.7
92.5°	2.0	194.0	450.9	612.3	667.2
95°	3.0	164.5	410.2	572.7	623.5
97.5°	3.0	136.1	372.7	533.1	582.9
100°	3.0	108.7	336.1	491.5	542.3
102.5°	3.0	82.3	300.6	452.9	501.6
105°	3.0	53.8	267.1	415.3	464.1
107.5°	3.0	23.4	231.5	374.7	423.4
110°	3.0	5.1	197.0	337.1	384.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	3.0	164.5	297.5	345.3
115°	2.0	3.0	127.9	257.9	302.6
117.5°	2.0	2.0	87.3	219.3	265.0
120°	2.0	2.0	45.7	180.8	222.4
122.5°	2.0	1.0	9.1	138.1	183.8
125°	2.0	1.0	0.0	92.4	137.1
127.5°	2.0	1.0	0.0	47.7	93.4
130°	1.0	1.0	0.0	7.1	44.7
132.5°	1.0	1.0	0.0	0.0	2.0
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)