

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: P290057

Luminaire Tested: **8SSRK-RB-60-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290057
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-60-L835-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6023.8 lumens
Efficiency: N/A
Efficacy: 145.6 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

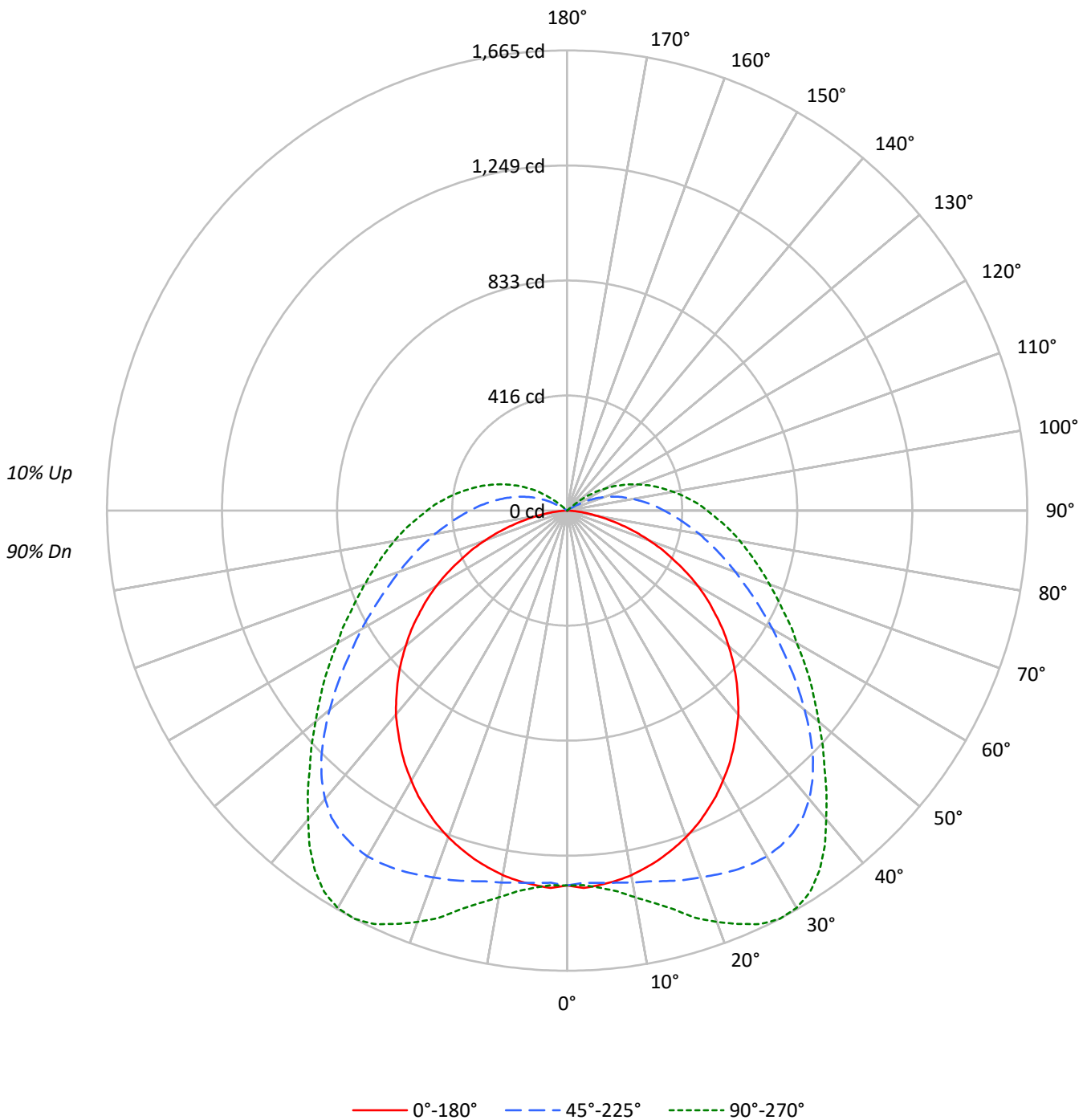
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	43800	43800	43800
5°	44007	35098	32887
10°	43764	29849	27317
15°	43345	26334	24104
20°	42898	23858	22168
25°	42270	22000	20528
30°	41552	20395	18707
35°	40754	18775	16500
40°	39917	16970	14108
45°	38754	14946	12029
50°	37382	12844	10352
55°	35859	10946	8999
60°	34103	9364	7813
65°	31304	8022	6888
70°	28309	6942	6132
75°	23928	6036	5510
80°	17978	5259	4990
85°	9845	4572	4512



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.4	2.2
10°-20°	396.8	6.6
20°-30°	660.6	11.0
30°-40°	854.4	14.2
40°-50°	902.4	15.0
50°-60°	832.0	13.8
60°-70°	699.2	11.6
70°-80°	547.8	9.1
80°-90°	403.0	6.7
90°-100°	287.2	4.8
100°-110°	184.5	3.1
110°-120°	96.8	1.6
120°-130°	28.1	0.5
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°	1187.8	19.7
0°-40°	2042.2	33.9
0°-60°	3776.5	62.7
0°-90°	5426.5	90.1
90°-120°	568.5	9.4
90°-150°	597.3	9.9
90°-180°	597.0	9.9
0°-180°	6023.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1356	1356	1356	1356	1356	
5°	1360	1359	1352	1370	1370	129
15°	1304	1329	1388	1470	1494	368
25°	1198	1265	1436	1600	1651	552
35°	1049	1166	1424	1570	1591	656
45°	866	1020	1258	1312	1317	668
55°	656	815	984	1051	1073	587
65°	428	586	745	836	863	426
75°	207	381	562	668	703	220
85°	33	223	413	531	569	43
90°	1	164	351	470	507	2
95°	2	118	295	412	448	2
105°	2	39	192	299	334	2
115°	2	2	92	186	218	2
125°	2	1	0	66	99	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°	1356.4	1356.4	1356.4	1356.4	1356.4
2.5°	1366.7	1360.8	1347.7	1359.4	1356.4
5°	1360.1	1359.4	1352.1	1369.6	1369.6
7.5°	1351.3	1354.2	1357.9	1387.1	1389.3
10°	1339.6	1348.4	1366.7	1411.2	1420.7
12.5°	1322.8	1338.9	1374.0	1438.2	1453.6
15°	1303.8	1329.4	1387.8	1470.4	1493.8
17.5°	1281.9	1315.5	1401.7	1509.8	1544.9
20°	1257.8	1301.7	1412.7	1545.6	1584.3
22.5°	1230.1	1284.9	1424.4	1574.8	1618.7
25°	1197.9	1265.1	1436.1	1600.4	1650.8
27.5°	1165.8	1244.7	1442.6	1616.5	1665.4
30°	1127.8	1222.0	1444.8	1618.7	1660.3
32.5°	1090.6	1197.2	1438.2	1603.3	1636.2
35°	1048.9	1165.8	1424.4	1569.7	1590.9
37.5°	1005.8	1132.2	1400.3	1517.9	1531.0
40°	963.5	1100.8	1363.0	1452.1	1458.0
42.5°	914.5	1060.6	1314.8	1382.7	1388.6
45°	866.3	1020.4	1257.8	1311.9	1317.0
47.5°	815.2	974.4	1190.6	1241.0	1253.4
50°	762.6	924.0	1122.0	1175.3	1188.4
52.5°	711.5	872.2	1052.6	1113.2	1128.5
55°	655.9	815.2	983.9	1051.1	1073.0
57.5°	602.6	758.9	917.4	991.9	1016.0
60°	547.1	701.2	859.0	937.2	959.1
62.5°	488.7	642.8	799.1	886.8	914.5
65°	428.0	585.8	745.1	836.4	863.4
67.5°	374.7	531.0	693.2	789.6	820.3
70°	317.0	478.4	647.9	748.0	778.7
72.5°	260.8	429.5	602.6	707.8	740.7
75°	206.7	381.3	561.7	668.4	703.4
77.5°	154.1	336.7	521.5	632.6	667.6
80°	108.1	295.8	484.3	598.2	635.5
82.5°	67.2	259.3	447.8	564.6	602.6
85°	32.9	222.8	413.4	531.0	569.0
87.5°	9.5	190.6	381.3	498.9	536.1
90°	0.7	163.6	350.6	469.7	506.9
92.5°	1.5	139.5	324.3	440.5	479.9
95°	2.2	118.3	295.1	412.0	448.5
97.5°	2.2	97.9	268.1	383.5	419.3
100°	2.2	78.2	241.8	353.5	390.1
102.5°	2.2	59.2	216.2	325.8	360.8
105°	2.2	38.7	192.1	298.8	333.8
107.5°	2.2	16.8	166.5	269.5	304.6
110°	2.2	3.7	141.7	242.5	276.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	2.2	118.3	214.0	248.4
115°	1.5	2.2	92.0	185.5	217.7
117.5°	1.5	1.5	62.8	157.8	190.6
120°	1.5	1.5	32.9	130.0	160.0
122.5°	1.5	0.7	6.6	99.3	132.2
125°	1.5	0.7	0.0	66.5	98.6
127.5°	1.5	0.7	0.0	34.3	67.2
130°	0.7	0.7	0.0	5.1	32.1
132.5°	0.7	0.7	0.0	0.0	1.5
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)