

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: P290059

Luminaire Tested: **8SSRK-RB-60-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290059
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-L850-CD1-U
Description: 6000 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: 6125.9 lumens
Efficiency: N/A
Efficacy: 148.0 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

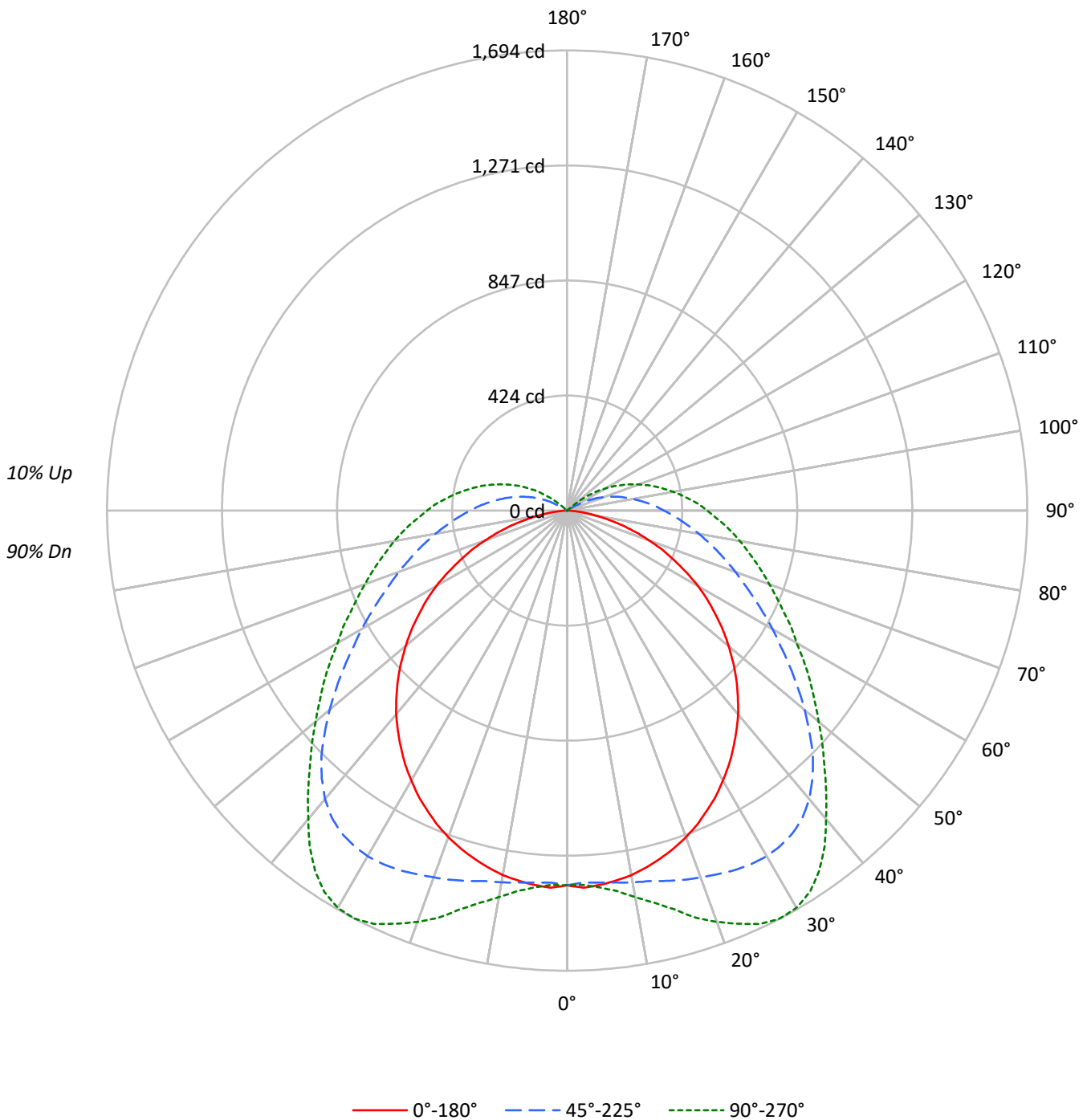
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	44543	44543	44543
5°	44755	35692	33444
10°	44509	30354	27781
15°	44083	26781	24512
20°	43627	24261	22545
25°	42987	22373	20876
30°	42256	20740	19024
35°	41445	19092	16780
40°	40592	17258	14347
45°	39412	15200	12232
50°	38015	13062	10528
55°	36472	11132	9152
60°	34682	9523	7945
65°	31838	8157	7004
70°	28791	7060	6236
75°	24334	6138	5603
80°	18277	5348	5074
85°	9995	4650	4589



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	2.2
10°-20°	403.5	6.6
20°-30°	671.8	11.0
30°-40°	868.8	14.2
40°-50°	917.7	15.0
50°-60°	846.1	13.8
60°-70°	711.0	11.6
70°-80°	557.1	9.1
80°-90°	409.8	6.7
90°-100°	292.0	4.8
100°-110°	187.6	3.1
110°-120°	98.5	1.6
120°-130°	28.6	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°	1208.0	19.7
0°-40°	2076.8	33.9
0°-60°	3840.6	62.7
0°-90°	5518.5	90.1
90°-120°	578.1	9.4
90°-150°	607.4	9.9
90°-180°	607.0	9.9
0°-180°	6125.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1379	1379	1379	1379	1379	
5°	1383	1382	1375	1393	1393	131
15°	1326	1352	1411	1495	1519	374
25°	1218	1287	1460	1628	1679	561
35°	1067	1186	1448	1596	1618	667
45°	881	1038	1279	1334	1339	679
55°	667	829	1001	1069	1091	597
65°	435	596	758	850	878	433
75°	210	388	571	680	715	224
85°	33	227	420	540	579	44
90°	1	166	357	478	516	2
95°	2	120	300	419	456	2
105°	2	39	195	304	340	2
115°	2	2	94	189	221	2
125°	2	1	0	68	100	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°	1379.4	1379.4	1379.4	1379.4	1379.4
2.5°	1389.8	1383.9	1370.5	1382.4	1379.4
5°	1383.2	1382.4	1375.0	1392.8	1392.8
7.5°	1374.2	1377.2	1380.9	1410.6	1412.9
10°	1362.4	1371.3	1389.8	1435.2	1444.8
12.5°	1345.3	1361.6	1397.3	1462.6	1478.2
15°	1326.0	1352.0	1411.4	1495.3	1519.1
17.5°	1303.7	1337.8	1425.5	1535.4	1571.1
20°	1279.2	1323.7	1436.6	1571.8	1611.2
22.5°	1250.9	1306.6	1448.5	1601.5	1646.1
25°	1218.2	1286.6	1460.4	1627.5	1678.8
27.5°	1185.6	1265.8	1467.1	1643.9	1693.7
30°	1146.9	1242.8	1469.3	1646.1	1688.5
32.5°	1109.0	1217.5	1462.6	1630.5	1663.9
35°	1066.7	1185.6	1448.5	1596.3	1617.9
37.5°	1022.9	1151.4	1424.0	1543.6	1557.0
40°	979.8	1119.4	1386.1	1476.8	1482.7
42.5°	930.0	1078.6	1337.1	1406.2	1412.1
45°	881.0	1037.7	1279.2	1334.1	1339.3
47.5°	829.0	990.9	1210.8	1262.1	1274.7
50°	775.5	939.7	1141.0	1195.2	1208.6
52.5°	723.5	886.9	1070.4	1132.1	1147.7
55°	667.1	829.0	1000.6	1068.9	1091.2
57.5°	612.8	771.8	933.0	1008.8	1033.3
60°	556.4	713.1	873.6	953.1	975.3
62.5°	497.0	653.7	812.7	901.8	930.0
65°	435.3	595.8	757.7	850.5	878.0
67.5°	381.1	540.0	704.9	803.0	834.2
70°	322.4	486.6	658.9	760.7	791.9
72.5°	265.2	436.8	612.8	719.8	753.2
75°	210.2	387.8	571.2	679.7	715.3
77.5°	156.7	342.4	530.4	643.3	678.9
80°	109.9	300.8	492.5	608.4	646.3
82.5°	68.3	263.7	455.4	574.2	612.8
85°	33.4	226.6	420.4	540.0	578.7
87.5°	9.7	193.9	387.8	507.4	545.2
90°	0.7	166.4	356.6	477.6	515.5
92.5°	1.5	141.9	329.8	447.9	488.0
95°	2.2	120.3	300.1	419.0	456.1
97.5°	2.2	99.5	272.6	390.0	426.4
100°	2.2	79.5	245.9	359.5	396.7
102.5°	2.2	60.2	219.9	331.3	367.0
105°	2.2	39.4	195.4	303.8	339.5
107.5°	2.2	17.1	169.4	274.1	309.8
110°	2.2	3.7	144.1	246.6	281.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	2.2	120.3	217.6	252.6
115°	1.5	2.2	93.6	188.7	221.4
117.5°	1.5	1.5	63.9	160.5	193.9
120°	1.5	1.5	33.4	132.2	162.7
122.5°	1.5	0.7	6.7	101.0	134.5
125°	1.5	0.7	0.0	67.6	100.3
127.5°	1.5	0.7	0.0	34.9	68.3
130°	0.7	0.7	0.0	5.2	32.7
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)