

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: P290027

Luminaire Tested: **4SSRK-RB-60-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290027
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: 4SSRK-RB-60-L850-CD1-U
Description: 6000 LUMEN, 4 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: 6176.7 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

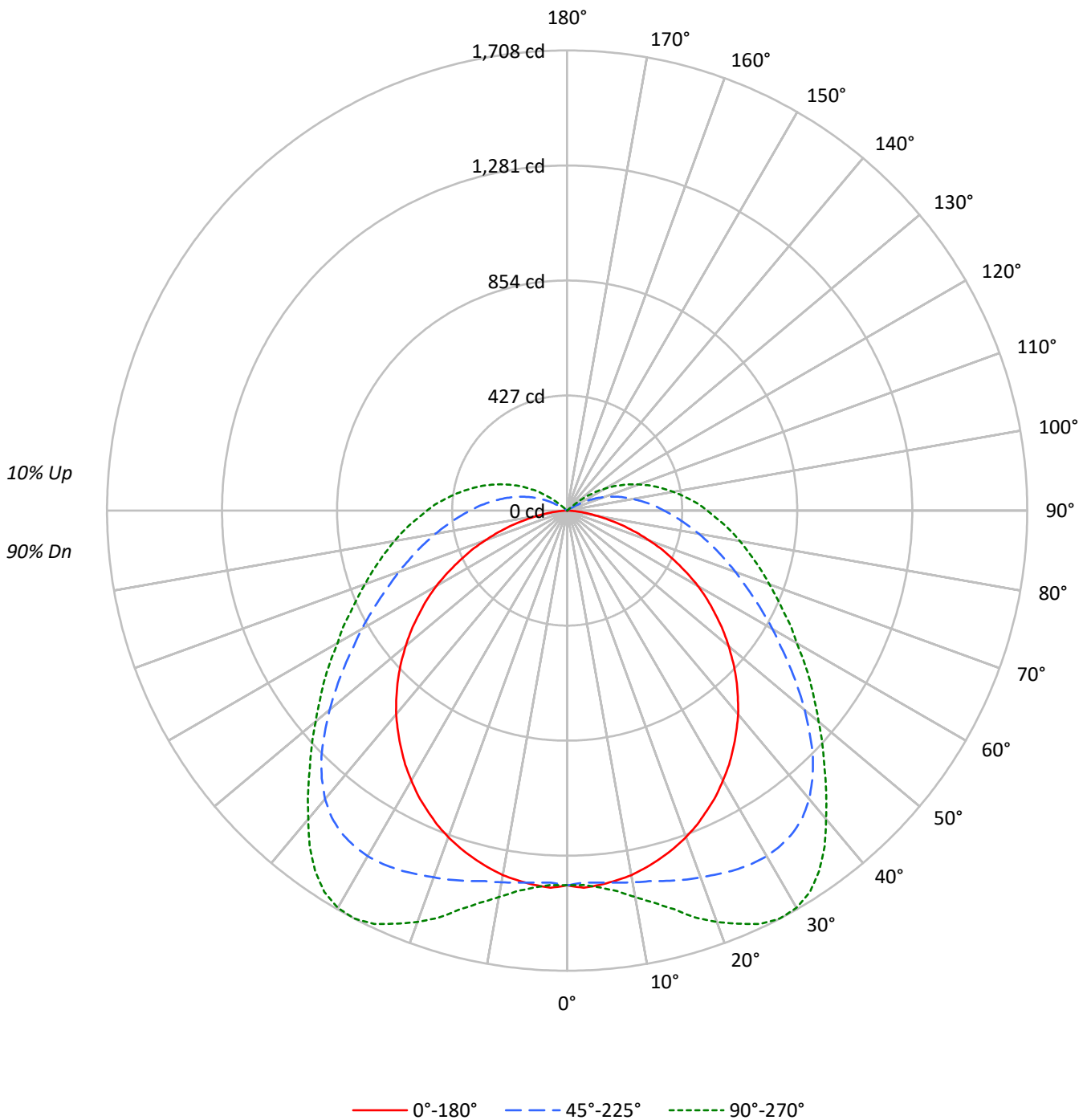
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	89828	89828	89828
5°	90083	71902	67444
10°	89429	61109	56023
15°	88406	53886	49431
20°	87321	48799	45465
25°	85867	44983	42098
30°	84219	41691	38364
35°	82398	38368	33838
40°	80473	34675	28932
45°	77887	30536	24668
50°	74853	26236	21231
55°	71479	22356	18457
60°	67585	19121	16022
65°	61570	16378	14125
70°	55082	14173	12574
75°	45781	12321	11300
80°	33362	10733	10232
85°	16916	9330	9255



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	2.2
10°-20°	406.9	6.6
20°-30°	677.4	11.0
30°-40°	876.1	14.2
40°-50°	925.3	15.0
50°-60°	853.1	13.8
60°-70°	716.9	11.6
70°-80°	561.7	9.1
80°-90°	413.2	6.7
90°-100°	294.5	4.8
100°-110°	189.2	3.1
110°-120°	99.3	1.6
120°-130°	28.9	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°	1218.0	19.7
0°-40°	2094.1	33.9
0°-60°	3872.5	62.7
0°-90°	5564.3	90.1
90°-120°	582.9	9.4
90°-150°	612.4	9.9
90°-180°	612.0	9.9
0°-180°	6176.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1391	1391	1391	1391	1391	
5°	1395	1394	1386	1404	1404	132
15°	1337	1363	1423	1508	1532	377
25°	1228	1297	1472	1641	1693	566
35°	1076	1195	1460	1610	1631	673
45°	888	1046	1290	1345	1350	685
55°	673	836	1009	1078	1100	602
65°	439	601	764	858	885	437
75°	212	391	576	685	721	225
85°	34	228	424	544	584	44
90°	1	168	360	482	520	2
95°	2	121	303	422	460	2
105°	2	40	197	306	342	2
115°	2	2	94	190	223	2
125°	2	1	0	68	101	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°	1390.9	1390.9	1390.9	1390.9	1390.9
2.5°	1401.4	1395.4	1381.9	1393.9	1390.9
5°	1394.6	1393.9	1386.4	1404.4	1404.4
7.5°	1385.6	1388.6	1392.4	1422.3	1424.6
10°	1373.7	1382.7	1401.4	1447.1	1456.8
12.5°	1356.4	1372.9	1408.9	1474.8	1490.5
15°	1337.0	1363.2	1423.1	1507.7	1531.7
17.5°	1314.5	1348.9	1437.3	1548.2	1584.1
20°	1289.8	1334.7	1448.6	1584.9	1624.6
22.5°	1261.3	1317.5	1460.5	1614.8	1659.8
25°	1228.4	1297.3	1472.5	1641.1	1692.7
27.5°	1195.4	1276.3	1479.3	1657.5	1707.7
30°	1156.5	1253.1	1481.5	1659.8	1702.5
32.5°	1118.3	1227.6	1474.8	1644.1	1677.8
35°	1075.6	1195.4	1460.5	1609.6	1631.3
37.5°	1031.4	1160.9	1435.8	1556.4	1569.9
40°	987.9	1128.7	1397.6	1489.0	1495.0
42.5°	937.7	1087.5	1348.2	1417.9	1423.8
45°	888.3	1046.4	1289.8	1345.2	1350.4
47.5°	835.9	999.2	1220.9	1272.5	1285.3
50°	782.0	947.5	1150.5	1205.1	1218.6
52.5°	729.5	894.3	1079.3	1141.5	1157.2
55°	672.6	835.9	1008.9	1077.8	1100.3
57.5°	617.9	778.2	940.7	1017.1	1041.9
60°	561.0	719.0	880.8	961.0	983.4
62.5°	501.1	659.1	819.4	909.3	937.7
65°	438.9	600.7	764.0	857.6	885.3
67.5°	384.2	544.5	710.8	809.7	841.1
70°	325.1	490.6	664.4	767.0	798.4
72.5°	267.4	440.4	617.9	725.8	759.5
75°	212.0	391.0	576.0	685.3	721.3
77.5°	158.0	345.3	534.8	648.6	684.6
80°	110.9	303.3	496.6	613.4	651.6
82.5°	68.9	265.9	459.1	579.0	617.9
85°	33.7	228.4	423.9	544.5	583.5
87.5°	9.7	195.5	391.0	511.6	549.8
90°	0.7	167.8	359.5	481.6	519.8
92.5°	1.5	143.1	332.6	451.6	492.1
95°	2.2	121.3	302.6	422.4	459.9
97.5°	2.2	100.4	274.9	393.2	429.9
100°	2.2	80.1	247.9	362.5	400.0
102.5°	2.2	60.7	221.7	334.1	370.0
105°	2.2	39.7	197.0	306.3	342.3
107.5°	2.2	17.2	170.8	276.4	312.3
110°	2.2	3.7	145.3	248.7	283.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	2.2	121.3	219.5	254.7
115°	1.5	2.2	94.4	190.2	223.2
117.5°	1.5	1.5	64.4	161.8	195.5
120°	1.5	1.5	33.7	133.3	164.0
122.5°	1.5	0.7	6.7	101.9	135.6
125°	1.5	0.7	0.0	68.2	101.1
127.5°	1.5	0.7	0.0	35.2	68.9
130°	0.7	0.7	0.0	5.2	33.0
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)