

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: P290055

Luminaire Tested: **8SSRK-RB-60-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290055
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-L950-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5519.5 lumens
Efficiency: N/A
Efficacy: 133.4 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

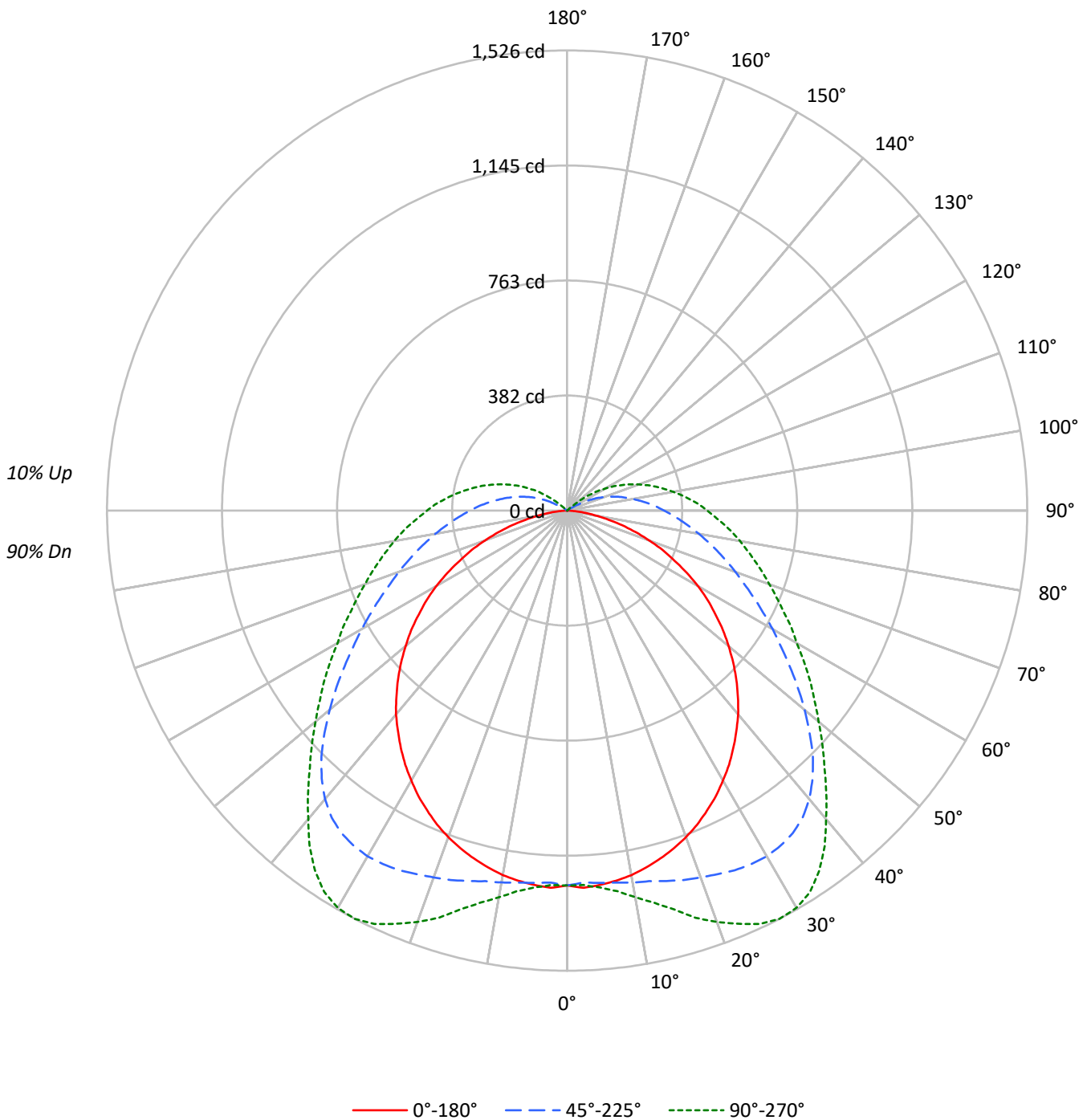
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40135	40135	40135
5°	40322	32159	30132
10°	40102	27349	25031
15°	39718	24131	22085
20°	39306	21860	20313
25°	38731	20157	18810
30°	38074	18688	17141
35°	37342	17202	15119
40°	36574	15549	12927
45°	35511	13695	11021
50°	34250	11768	9485
55°	32858	10029	8246
60°	31248	8580	7159
65°	28686	7350	6311
70°	25942	6361	5618
75°	21926	5531	5048
80°	16481	4818	4572
85°	9007	4190	4135



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	2.2
10°-20°	363.6	6.6
20°-30°	605.3	11.0
30°-40°	782.8	14.2
40°-50°	826.8	15.0
50°-60°	762.3	13.8
60°-70°	640.6	11.6
70°-80°	501.9	9.1
80°-90°	369.3	6.7
90°-100°	263.1	4.8
100°-110°	169.0	3.1
110°-120°	88.7	1.6
120°-130°	25.8	0.5
130°-140°	0.6	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°	1088.4	19.7
0°-40°	1871.2	33.9
0°-60°	3460.3	62.7
0°-90°	4972.2	90.1
90°-120°	520.9	9.4
90°-150°	547.3	9.9
90°-180°	547.0	9.9
0°-180°	5519.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1246	1246	1239	1255	1255	118
15°	1195	1218	1272	1347	1369	337
25°	1098	1159	1316	1466	1513	506
35°	961	1068	1305	1438	1458	601
45°	794	935	1152	1202	1207	612
55°	601	747	902	963	983	538
65°	392	537	683	766	791	391
75°	189	349	515	612	644	201
85°	30	204	379	487	521	40
90°	1	150	321	430	464	2
95°	2	108	270	378	411	2
105°	2	36	176	274	306	2
115°	1	2	84	170	199	2
125°	1	1	0	61	90	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°	1242.9	1242.9	1242.9	1242.9	1242.9
2.5°	1252.2	1246.9	1234.8	1245.6	1242.9
5°	1246.2	1245.6	1238.9	1254.9	1254.9
7.5°	1238.2	1240.9	1244.2	1271.0	1273.0
10°	1227.5	1235.5	1252.2	1293.1	1301.8
12.5°	1212.1	1226.8	1258.9	1317.8	1331.9
15°	1194.7	1218.1	1271.7	1347.3	1368.7
17.5°	1174.6	1205.4	1284.4	1383.4	1415.6
20°	1152.5	1192.7	1294.4	1416.2	1451.7
22.5°	1127.1	1177.3	1305.1	1443.0	1483.2
25°	1097.6	1159.2	1315.8	1466.4	1512.6
27.5°	1068.2	1140.5	1321.9	1481.1	1526.0
30°	1033.4	1119.7	1323.9	1483.2	1521.3
32.5°	999.3	1097.0	1317.8	1469.1	1499.2
35°	961.1	1068.2	1305.1	1438.3	1457.7
37.5°	921.6	1037.4	1283.0	1390.8	1402.8
40°	882.8	1008.6	1248.9	1330.6	1335.9
42.5°	838.0	971.8	1204.7	1267.0	1272.3
45°	793.8	935.0	1152.5	1202.0	1206.7
47.5°	746.9	892.8	1090.9	1137.1	1148.5
50°	698.7	846.7	1028.0	1076.9	1088.9
52.5°	651.9	799.1	964.4	1020.0	1034.1
55°	601.0	746.9	901.5	963.1	983.2
57.5°	552.2	695.4	840.6	908.9	931.0
60°	501.3	642.5	787.1	858.7	878.8
62.5°	447.8	589.0	732.2	812.5	838.0
65°	392.2	536.8	682.7	766.3	791.1
67.5°	343.3	486.6	635.2	723.5	751.6
70°	290.5	438.4	593.7	685.4	713.5
72.5°	238.9	393.5	552.2	648.5	678.7
75°	189.4	349.4	514.7	612.4	644.5
77.5°	141.2	308.5	477.9	579.6	611.7
80°	99.1	271.1	443.7	548.2	582.3
82.5°	61.6	237.6	410.3	517.4	552.2
85°	30.1	204.1	378.8	486.6	521.4
87.5°	8.7	174.7	349.4	457.1	491.3
90°	0.7	149.9	321.3	430.4	464.5
92.5°	1.3	127.8	297.2	403.6	439.7
95°	2.0	108.4	270.4	377.5	410.9
97.5°	2.0	89.7	245.6	351.4	384.2
100°	2.0	71.6	221.5	323.9	357.4
102.5°	2.0	54.2	198.1	298.5	330.6
105°	2.0	35.5	176.0	273.7	305.9
107.5°	2.0	15.4	152.6	247.0	279.1
110°	2.0	3.3	129.8	222.2	253.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	2.0	108.4	196.1	227.6
115°	1.3	2.0	84.3	170.0	199.4
117.5°	1.3	1.3	57.6	144.6	174.7
120°	1.3	1.3	30.1	119.1	146.6
122.5°	1.3	0.7	6.0	91.0	121.1
125°	1.3	0.7	0.0	60.9	90.4
127.5°	1.3	0.7	0.0	31.5	61.6
130°	0.7	0.7	0.0	4.7	29.4
132.5°	0.7	0.7	0.0	0.0	1.3
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)