

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: P289687

Luminaire Tested: **8SSRK-40-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-40-L950-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 5000K CCT LEDs
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4023.3 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

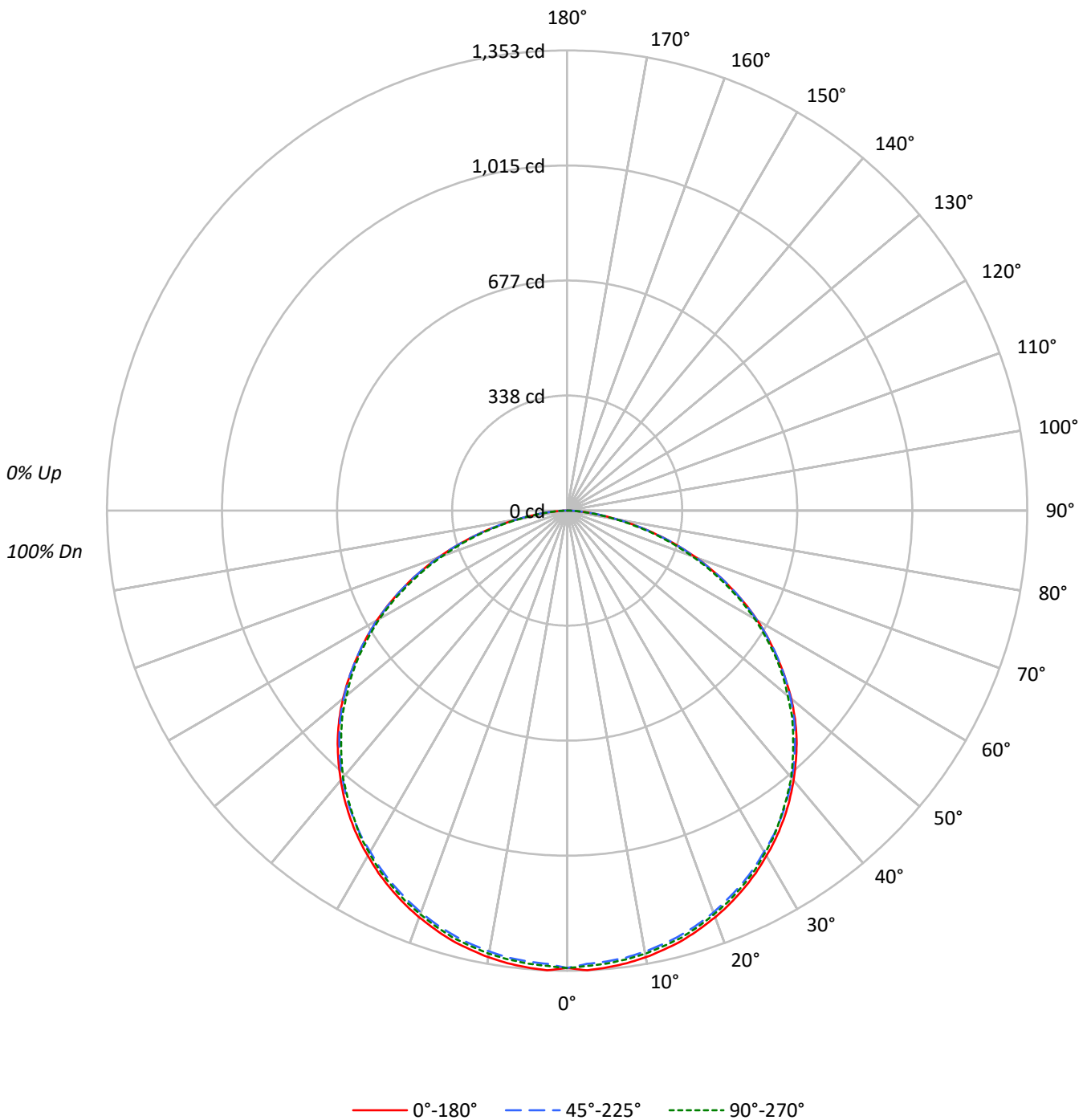
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43432	43432	43432
5°	43635	34547	32094
10°	43565	28757	25437
15°	43511	24523	20969
20°	43399	21237	17675
25°	43297	18579	15154
30°	43188	16353	13102
35°	43104	14483	11374
40°	42900	12799	9917
45°	42686	11259	8582
50°	42176	9814	7372
55°	41266	8406	6267
60°	40236	7037	5190
65°	38516	5675	4099
70°	36051	4288	3061
75°	31685	2931	2071
80°	25079	1638	1118
85°	16129	592	368



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.5	3.2
10°-20°	367.3	9.1
20°-30°	562.8	14.0
30°-40°	689.9	17.1
40°-50°	730.9	18.2
50°-60°	673.9	16.8
60°-70°	517.9	12.9
70°-80°	287.1	7.1
80°-90°	66.0	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	1057.6	26.3
0°-40°	1747.5	43.4
0°-60°	3152.3	78.4
0°-90°	4023.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4023.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1345	1345	1345	1345	1345	
5°	1349	1343	1331	1344	1337	128
15°	1309	1303	1292	1304	1300	369
25°	1227	1223	1213	1225	1219	566
35°	1109	1104	1099	1103	1097	694
45°	954	951	948	946	940	735
55°	755	760	756	753	747	675
65°	527	528	527	520	514	521
75°	274	274	273	268	264	289
85°	54	55	54	51	46	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1345.0	1345.0	1345.0	1345.0	1345.0
2.5°	1353.0	1346.4	1334.0	1346.4	1340.2
5°	1348.6	1342.8	1330.9	1343.7	1336.6
7.5°	1342.4	1337.5	1325.6	1338.0	1330.9
10°	1333.5	1328.2	1316.7	1330.0	1322.9
12.5°	1321.6	1316.7	1305.7	1318.1	1311.9
15°	1308.8	1302.6	1292.4	1303.9	1299.5
17.5°	1291.1	1286.2	1276.1	1287.1	1282.3
20°	1272.5	1267.7	1257.5	1268.5	1263.2
22.5°	1251.3	1246.4	1235.8	1247.8	1242.5
25°	1227.0	1222.6	1212.8	1225.2	1218.6
27.5°	1201.3	1197.8	1187.2	1197.4	1193.4
30°	1172.2	1169.9	1158.5	1166.4	1162.9
32.5°	1142.5	1138.6	1130.6	1136.8	1133.2
35°	1109.4	1104.1	1098.8	1102.7	1096.6
37.5°	1074.0	1070.5	1064.7	1068.3	1061.2
40°	1035.5	1032.4	1028.0	1028.9	1024.9
42.5°	995.7	992.2	988.7	986.9	982.5
45°	954.2	951.1	947.5	946.2	939.6
47.5°	909.1	906.9	904.7	901.6	896.7
50°	860.4	861.3	857.3	854.7	846.3
52.5°	808.3	813.6	807.8	803.8	799.0
55°	754.8	760.5	755.6	752.6	747.2
57.5°	701.7	704.4	701.3	699.1	692.0
60°	645.5	647.8	645.5	640.7	637.1
62.5°	587.6	590.3	585.9	582.3	577.5
65°	526.6	527.9	527.1	520.0	513.8
67.5°	465.1	467.4	464.7	459.8	453.7
70°	403.7	402.4	400.2	396.6	388.7
72.5°	338.7	338.7	338.3	331.6	327.6
75°	273.7	274.1	272.8	268.4	264.4
77.5°	208.7	213.6	210.0	205.6	201.2
80°	150.8	153.9	150.8	145.0	142.4
82.5°	96.4	100.8	98.2	92.4	91.5
85°	53.9	54.8	53.5	50.8	46.4
87.5°	20.3	21.2	21.7	17.7	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)