

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: P289693

Luminaire Tested: **8SSRK-50-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289693
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-50-L935-CD1-U
Description: 5000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 3500K CCT LEDs
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4643.2 lumens
Efficiency: N/A
Efficacy: 135.8 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

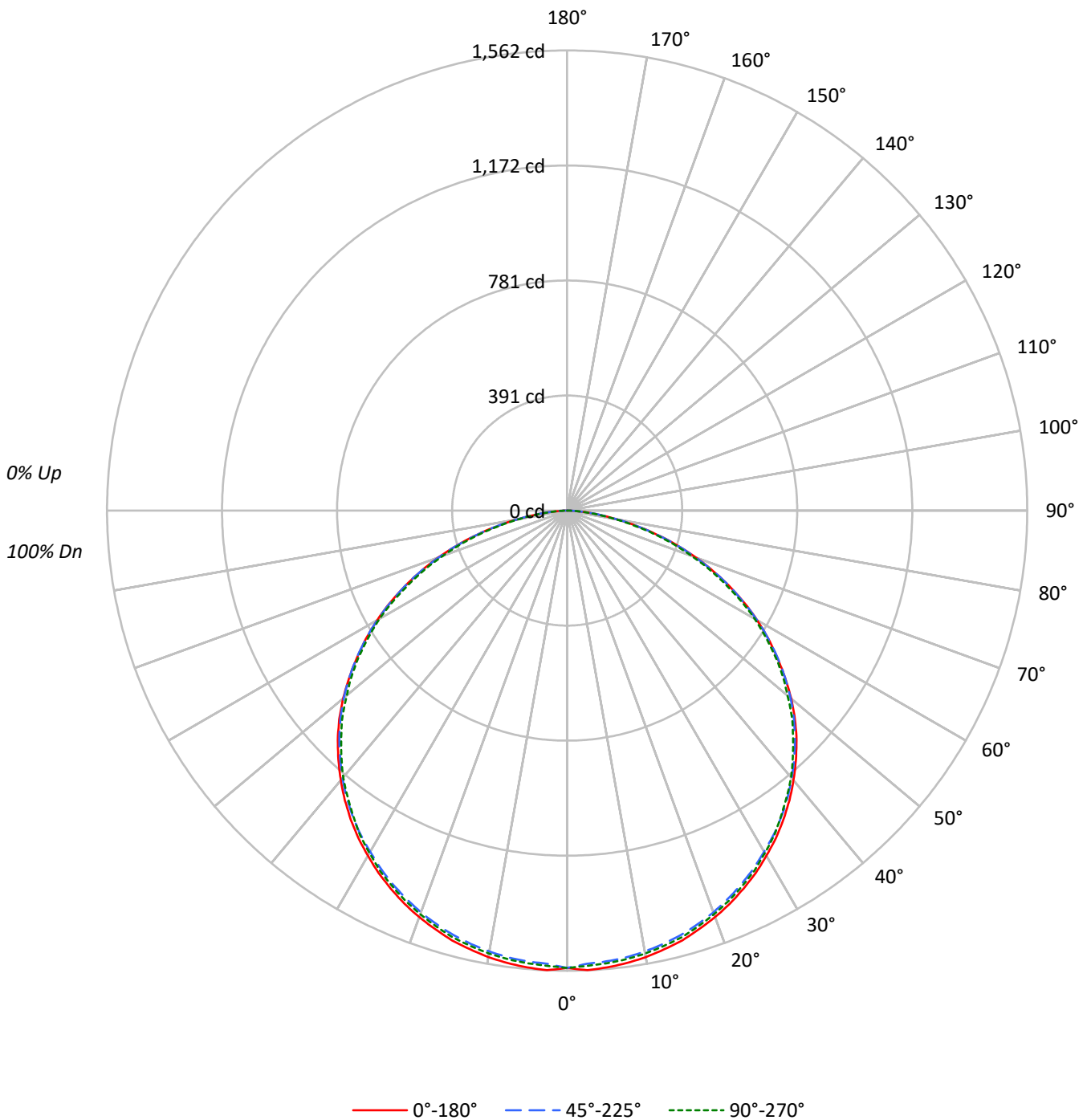
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	50126	50126	50126
5°	50359	39871	37041
10°	50279	33191	29357
15°	50217	28303	24201
20°	50087	24509	20400
25°	49970	21443	17489
30°	49842	18873	15121
35°	49745	16714	13125
40°	49512	14771	11446
45°	49262	12995	9904
50°	48676	11328	8508
55°	47625	9702	7233
60°	46439	8121	5990
65°	44455	6549	4731
70°	41606	4948	3532
75°	36570	3384	2391
80°	28938	1890	1290
85°	18643	682	425



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	3.2
10°-20°	423.9	9.1
20°-30°	649.6	14.0
30°-40°	796.2	17.1
40°-50°	843.5	18.2
50°-60°	777.8	16.8
60°-70°	597.7	12.9
70°-80°	331.3	7.1
80°-90°	76.2	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°	1220.5	26.3
0°-40°	2016.8	43.4
0°-60°	3638.1	78.4
0°-90°	4643.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4643.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1552	1552	1552	1552	1552	
5°	1556	1550	1536	1551	1543	148
15°	1510	1503	1492	1505	1500	426
25°	1416	1411	1400	1414	1406	653
35°	1280	1274	1268	1273	1266	801
45°	1101	1098	1094	1092	1084	849
55°	871	878	872	868	862	779
65°	608	609	608	600	593	601
75°	316	316	315	310	305	334
85°	62	63	62	59	54	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1552.3	1552.3	1552.3	1552.3	1552.3
2.5°	1561.5	1553.8	1539.6	1553.8	1546.7
5°	1556.4	1549.8	1536.0	1550.8	1542.6
7.5°	1549.3	1543.6	1529.9	1544.2	1536.0
10°	1539.0	1532.9	1519.7	1535.0	1526.8
12.5°	1525.3	1519.7	1506.9	1521.2	1514.0
15°	1510.5	1503.3	1491.6	1504.9	1499.8
17.5°	1490.1	1484.4	1472.7	1485.5	1479.9
20°	1468.6	1463.0	1451.3	1464.0	1457.9
22.5°	1444.1	1438.5	1426.3	1440.1	1433.9
25°	1416.1	1411.0	1399.7	1414.0	1406.4
27.5°	1386.5	1382.4	1370.1	1381.9	1377.3
30°	1352.8	1350.2	1337.0	1346.2	1342.1
32.5°	1318.6	1314.0	1304.8	1312.0	1307.9
35°	1280.3	1274.2	1268.1	1272.7	1265.5
37.5°	1239.5	1235.4	1228.8	1232.9	1224.7
40°	1195.1	1191.5	1186.4	1187.5	1182.9
42.5°	1149.2	1145.1	1141.0	1139.0	1133.9
45°	1101.2	1097.6	1093.6	1092.0	1084.4
47.5°	1049.2	1046.6	1044.1	1040.5	1034.9
50°	993.0	994.1	989.5	986.4	976.7
52.5°	932.8	938.9	932.3	927.7	922.1
55°	871.1	877.7	872.1	868.5	862.4
57.5°	809.8	812.9	809.3	806.8	798.6
60°	745.0	747.6	745.0	739.4	735.3
62.5°	678.2	681.2	676.1	672.1	666.4
65°	607.8	609.3	608.3	600.1	593.0
67.5°	536.8	539.4	536.3	530.7	523.6
70°	465.9	464.4	461.8	457.7	448.5
72.5°	390.9	390.9	390.4	382.7	378.1
75°	315.9	316.4	314.9	309.7	305.2
77.5°	240.9	246.5	242.4	237.3	232.2
80°	174.0	177.6	174.0	167.4	164.3
82.5°	111.2	116.3	113.3	106.7	105.6
85°	62.3	63.3	61.7	58.7	53.6
87.5°	23.5	24.5	25.0	20.4	17.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)