

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: P290301

Luminaire Tested: **8SSRK-SLC-40-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-16)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLC-40-L935-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

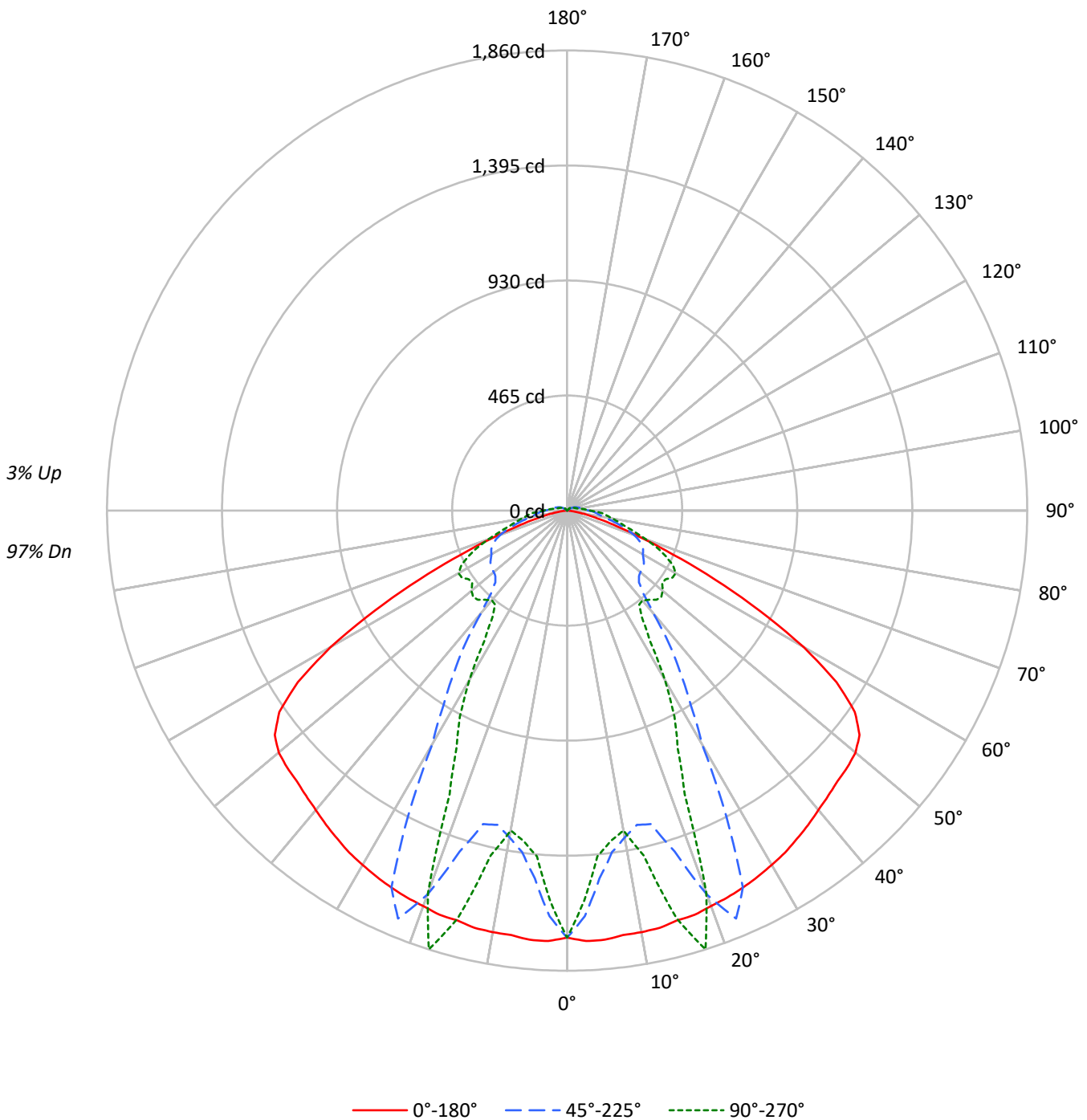
Lumens per Lamp: N/A
Luminaire Lumens: 3629.2 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	108	103	99	95	105	101	97	93	96	93	90	91	89	87	87	85	83	81
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	77	74	71	69
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	65	61	59
4	84	72	64	57	81	71	63	57	68	61	56	65	59	54	62	57	53	51
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	45
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	45	40	65	53	45	39	51	44	39	49	43	38	48	42	38	36
8	62	49	41	36	61	49	41	35	47	40	35	46	39	35	44	38	34	32
9	58	46	38	32	57	45	37	32	44	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	34	30	40	34	29	39	33	29	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	55735	55735	55735
5°	56344	38763	33686
10°	56518	29286	25244
15°	57029	24897	27523
20°	58006	27902	23005
25°	59331	25740	13140
30°	60932	15415	8901
35°	62920	10498	5448
40°	65462	6753	4581
45°	69160	4884	4657
50°	74573	4427	4393
55°	77629	4216	4063
60°	68779	3849	4128
65°	48148	3622	3531
70°	27978	3079	2656
75°	15906	2326	1889
80°	9031	1642	1461
85°	4369	1318	1196



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.4	4.0
10°-20°	430.6	11.9
20°-30°	633.9	17.5
30°-40°	619.2	17.1
40°-50°	513.3	14.1
50°-60°	471.3	13.0
60°-70°	373.5	10.3
70°-80°	207.4	5.7
80°-90°	109.8	3.0
90°-100°	57.7	1.6
100°-110°	34.8	1.0
110°-120°	19.8	0.5
120°-130°	11.0	0.3
130°-140°	3.5	0.1
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1207.9	33.3
0°-40°	1827.1	50.3
0°-60°	2811.7	77.5
0°-90°	3502.4	96.5
90°-120°	112.3	3.1
90°-150°	126.9	3.5
90°-180°	127.0	3.5
0°-180°	3629.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1726	1726	1726	1726	1726	
5°	1741	1644	1493	1430	1403	166
15°	1715	1370	1312	1607	1706	487
25°	1681	1308	1680	1146	1057	777
35°	1619	1561	796	569	525	1016
45°	1546	706	411	469	510	1199
55°	1420	315	379	454	484	1233
65°	658	204	336	427	443	666
75°	137	124	216	231	241	163
85°	15	61	119	145	151	20
90°	0	45	87	95	94	1
95°	1	35	68	70	67	1
105°	1	24	47	41	37	1
115°	1	3	31	29	27	1
125°	1	1	14	23	22	1
135°	1	1	1	10	12	1
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°	1726.0	1726.0	1726.0	1726.0	1726.0
2.5°	1741.4	1710.2	1640.9	1593.8	1578.0
5°	1741.4	1643.7	1493.3	1429.7	1402.9
7.5°	1730.8	1559.4	1392.4	1364.8	1347.4
10°	1730.0	1469.4	1340.9	1317.8	1312.9
12.5°	1728.0	1419.5	1301.2	1383.1	1427.2
15°	1715.4	1370.1	1312.1	1606.8	1705.7
17.5°	1713.4	1333.2	1445.1	1818.0	1859.7
20°	1700.8	1304.0	1652.2	1791.2	1644.1
22.5°	1692.7	1283.7	1785.6	1441.0	1240.8
25°	1681.4	1308.1	1680.2	1145.5	1056.7
27.5°	1668.4	1386.3	1392.8	997.2	938.4
30°	1653.8	1508.7	1092.0	871.5	790.0
32.5°	1639.2	1598.3	929.5	715.4	619.8
35°	1619.4	1561.4	796.5	569.1	525.3
37.5°	1600.7	1391.2	675.3	491.3	478.7
40°	1580.1	1120.8	542.4	460.5	473.4
42.5°	1562.6	888.5	455.6	457.2	489.3
45°	1546.0	706.1	411.0	469.0	509.9
47.5°	1536.3	561.4	393.2	483.2	516.0
50°	1521.3	449.9	386.7	486.0	504.3
52.5°	1489.7	370.9	384.7	471.0	483.6
55°	1419.9	314.6	379.0	454.0	484.4
57.5°	1291.4	279.7	366.0	457.6	504.3
60°	1103.4	252.5	353.1	469.4	506.7
62.5°	878.0	227.8	346.2	459.7	482.8
65°	658.3	204.3	336.4	426.8	442.6
67.5°	460.9	184.0	314.6	385.9	394.4
70°	313.3	164.6	287.4	333.6	337.3
72.5°	210.8	145.1	253.7	279.7	285.4
75°	137.4	124.4	216.5	231.0	241.2
77.5°	87.6	105.8	179.6	198.2	211.2
80°	54.3	87.6	151.2	177.9	186.1
82.5°	30.4	73.0	130.9	158.9	163.4
85°	14.6	61.2	119.2	144.7	150.8
87.5°	3.6	51.9	105.0	120.0	120.0
90°	0.4	44.6	87.2	95.3	94.4
92.5°	0.4	39.3	75.8	81.1	79.4
95°	0.8	35.3	67.7	70.5	67.3
97.5°	0.8	33.2	62.4	60.4	55.5
100°	0.8	30.8	56.7	51.5	46.2
102.5°	0.8	27.6	51.9	45.4	40.9
105°	0.8	23.5	47.4	40.9	36.9
107.5°	0.8	18.6	42.6	37.3	34.0
110°	0.8	13.4	38.1	34.5	32.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	8.1	34.5	32.0	30.0
115°	0.8	2.8	30.8	29.2	27.2
117.5°	0.8	1.2	27.2	28.0	25.5
120°	0.8	1.2	22.7	26.3	24.3
122.5°	0.8	1.2	18.6	24.7	23.5
125°	0.8	0.8	14.2	22.7	22.3
127.5°	0.8	0.8	9.7	19.9	20.7
130°	0.8	0.8	4.9	16.2	18.2
132.5°	0.8	0.8	0.8	13.4	15.0
135°	0.8	0.8	0.8	9.7	12.2
137.5°	0.8	0.8	0.8	4.9	8.9
140°	0.8	0.8	0.8	0.8	3.6
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)