

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: P290279

Luminaire Tested: **4SSRK-SLC-40-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290279  
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: 4SSRK-SLC-40-L950-CD1-U  
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

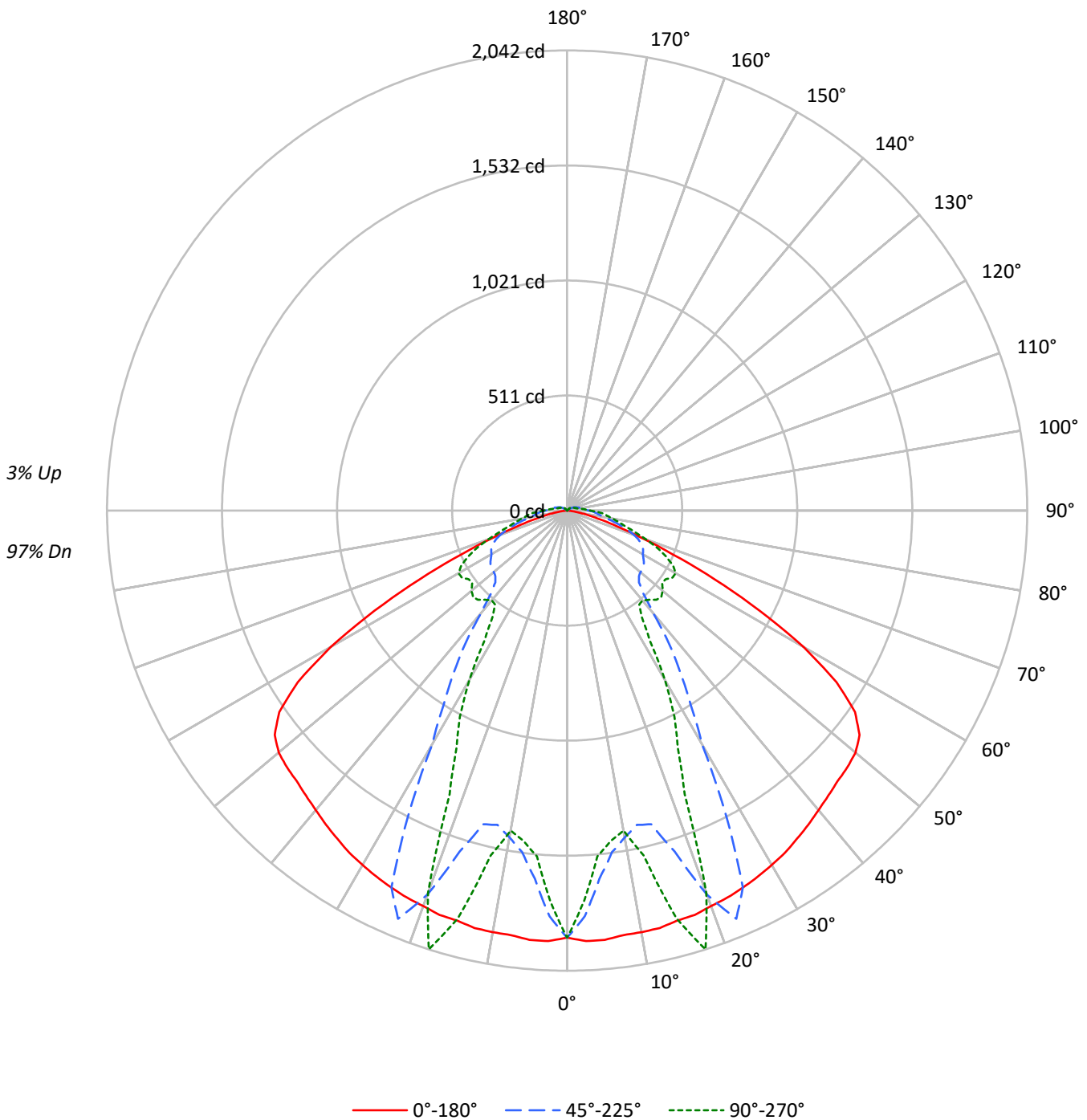
Lumens per Lamp: N/A  
Luminaire Lumens: 3984.8 lumens  
Efficiency: N/A  
Efficacy: 143.9 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 27.7  
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°	122391	122391	122391
5°	123504	85034	73976
10°	123659	64200	55438
15°	124543	54553	60439
20°	126432	61112	50519
25°	129045	56356	28857
30°	132238	33741	19546
35°	136206	22976	11965
40°	141323	14775	10059
45°	148838	10684	10228
50°	159881	9683	9647
55°	165690	9220	8922
60°	145951	8416	9063
65°	101395	7919	7754
70°	58285	6732	5832
75°	32587	5084	4148
80°	17930	3588	3208
85°	8031	2879	2627



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.4	4.0
10°-20°	472.8	11.9
20°-30°	696.0	17.5
30°-40°	679.9	17.1
40°-50°	563.6	14.1
50°-60°	517.5	13.0
60°-70°	410.1	10.3
70°-80°	227.7	5.7
80°-90°	120.6	3.0
90°-100°	63.4	1.6
100°-110°	38.2	1.0
110°-120°	21.8	0.5
120°-130°	12.0	0.3
130°-140°	3.8	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°	1326.2	33.3
0°-40°	2006.1	50.3
0°-60°	3087.2	77.5
0°-90°	3845.6	96.5
90°-120°	123.3	3.1
90°-150°	139.3	3.5
90°-180°	139.0	3.5
0°-180°	3984.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1895	1895	1895	1895	1895	
5°	1912	1805	1640	1570	1540	182
15°	1884	1504	1441	1764	1873	534
25°	1846	1436	1845	1258	1160	853
35°	1778	1714	875	625	577	1116
45°	1698	775	451	515	560	1316
55°	1559	345	416	498	532	1354
65°	723	224	369	469	486	732
75°	151	137	238	254	265	179
85°	16	67	131	159	166	22
90°	0	49	96	105	104	1
95°	1	39	74	77	74	1
105°	1	26	52	45	40	1
115°	1	3	34	32	30	1
125°	1	1	16	25	24	1
135°	1	1	1	11	13	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°	1895.1	1895.1	1895.1	1895.1	1895.1
2.5°	1912.0	1877.7	1801.6	1750.0	1732.6
5°	1912.0	1804.7	1639.6	1569.8	1540.4
7.5°	1900.4	1712.2	1528.8	1498.5	1479.4
10°	1899.5	1613.4	1472.3	1446.9	1441.6
12.5°	1897.3	1558.6	1428.7	1518.6	1567.1
15°	1883.5	1504.3	1440.7	1764.2	1872.8
17.5°	1881.3	1463.8	1586.7	1996.1	2042.0
20°	1867.5	1431.8	1814.1	1966.8	1805.2
22.5°	1858.6	1409.5	1960.5	1582.2	1362.3
25°	1846.1	1436.2	1844.8	1257.8	1160.3
27.5°	1831.9	1522.1	1529.2	1094.9	1030.3
30°	1815.9	1656.5	1199.0	956.9	867.4
32.5°	1799.9	1754.9	1020.5	785.5	680.5
35°	1778.0	1714.4	874.6	624.9	576.8
37.5°	1757.6	1527.5	741.5	539.4	525.6
40°	1734.9	1230.6	595.5	505.6	519.8
42.5°	1715.7	975.6	500.3	502.0	537.2
45°	1697.5	775.3	451.3	514.9	559.9
47.5°	1686.8	616.4	431.7	530.5	566.6
50°	1670.3	494.0	424.6	533.6	553.7
52.5°	1635.6	407.2	422.4	517.2	531.0
55°	1559.1	345.4	416.1	498.5	531.9
57.5°	1418.0	307.1	401.9	502.5	553.7
60°	1211.5	277.3	387.7	515.4	556.3
62.5°	964.0	250.1	380.1	504.7	530.1
65°	722.8	224.3	369.4	468.7	486.0
67.5°	506.0	202.1	345.4	423.7	433.1
70°	344.0	180.7	315.6	366.3	370.3
72.5°	231.4	159.3	278.6	307.1	313.3
75°	150.9	136.6	237.7	253.7	264.8
77.5°	96.1	116.2	197.2	217.6	231.9
80°	59.6	96.1	166.0	195.4	204.3
82.5°	33.4	80.1	143.8	174.5	179.4
85°	16.0	67.2	130.8	158.9	165.6
87.5°	4.0	57.0	115.3	131.7	131.7
90°	0.4	49.0	95.7	104.6	103.7
92.5°	0.4	43.2	83.2	89.0	87.2
95°	0.9	38.7	74.3	77.4	73.9
97.5°	0.9	36.5	68.5	66.3	61.0
100°	0.9	33.8	62.3	56.5	50.7
102.5°	0.9	30.3	57.0	49.8	45.0
105°	0.9	25.8	52.1	45.0	40.5
107.5°	0.9	20.5	46.7	40.9	37.4
110°	0.9	14.7	41.8	37.8	35.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	8.9	37.8	35.2	32.9
115°	0.9	3.1	33.8	32.0	29.8
117.5°	0.9	1.3	29.8	30.7	28.0
120°	0.9	1.3	24.9	28.9	26.7
122.5°	0.9	1.3	20.5	27.1	25.8
125°	0.9	0.9	15.6	24.9	24.5
127.5°	0.9	0.9	10.7	21.8	22.7
130°	0.9	0.9	5.3	17.8	20.0
132.5°	0.9	0.9	0.9	14.7	16.5
135°	0.9	0.9	0.9	10.7	13.4
137.5°	0.9	0.9	0.9	5.3	9.8
140°	0.9	0.9	0.9	0.9	4.0
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)