

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: P290303

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290303
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-L950-CD1-U
Description: 4000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

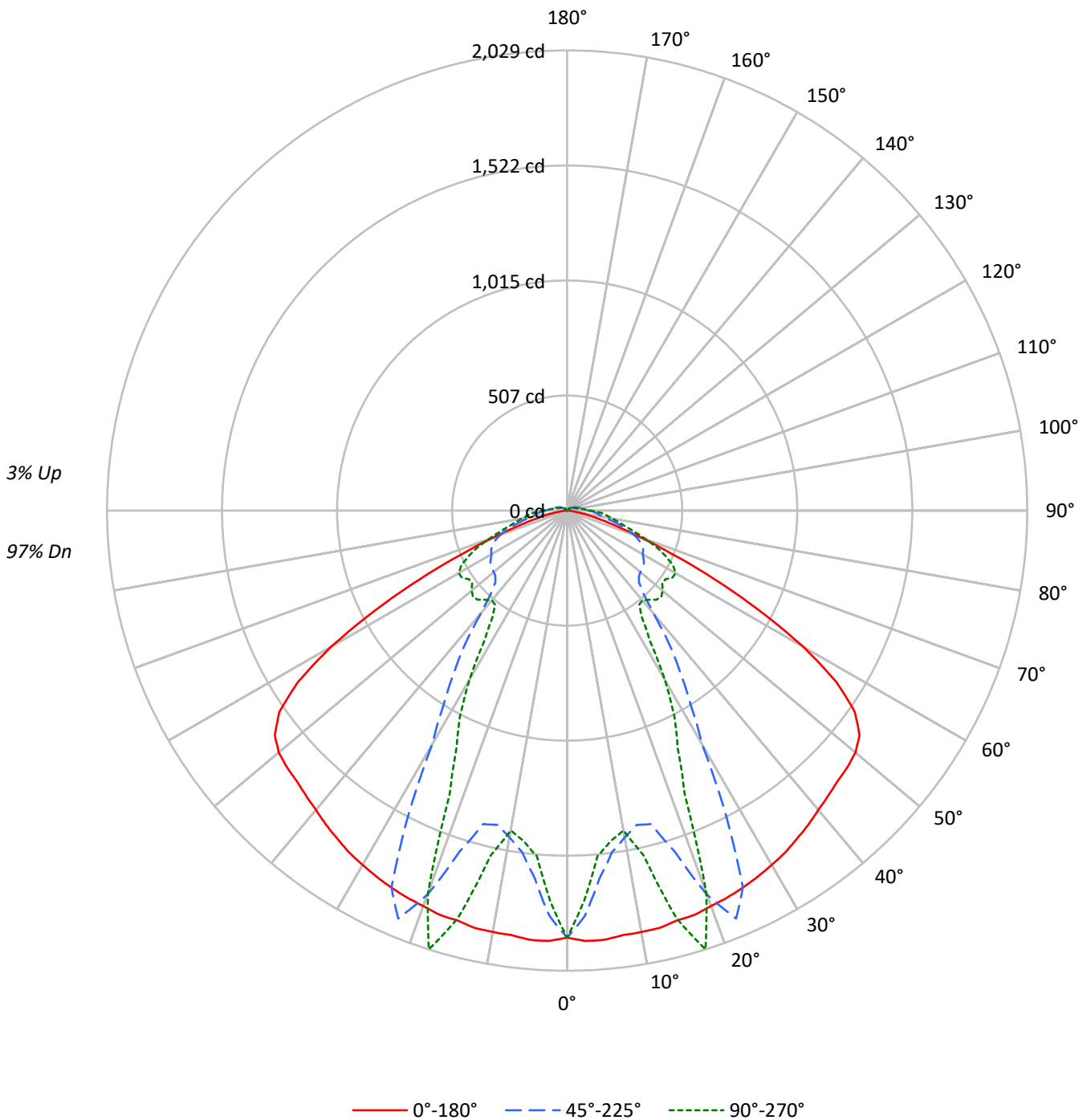
Lumens per Lamp: N/A
Luminaire Lumens: 3958.8 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	60795	60795	60795
5°	61460	42283	36745
10°	61651	31946	27538
15°	62208	27159	30023
20°	63276	30435	25094
25°	64720	28076	14334
30°	66466	16815	9710
35°	68631	11451	5943
40°	71403	7366	4997
45°	75441	5327	5080
50°	81343	4829	4791
55°	84681	4599	4432
60°	75025	4198	4502
65°	52522	3951	3852
70°	30524	3359	2897
75°	17353	2537	2061
80°	9846	1791	1594
85°	4758	1438	1305



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	4.0
10°-20°	469.7	11.9
20°-30°	691.4	17.5
30°-40°	675.5	17.1
40°-50°	560.0	14.1
50°-60°	514.1	13.0
60°-70°	407.4	10.3
70°-80°	226.2	5.7
80°-90°	119.8	3.0
90°-100°	63.0	1.6
100°-110°	37.9	1.0
110°-120°	21.6	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°	1317.6	33.3
0°-40°	1993.0	50.3
0°-60°	3067.1	77.5
0°-90°	3820.4	96.5
90°-120°	122.6	3.1
90°-150°	138.4	3.5
90°-180°	138.0	3.5
0°-180°	3958.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1883	1883	1883	1883	1883	
5°	1900	1793	1629	1560	1530	181
15°	1871	1494	1431	1753	1861	531
25°	1834	1427	1833	1250	1153	848
35°	1766	1703	869	621	573	1108
45°	1686	770	448	512	556	1308
55°	1549	343	413	495	528	1345
65°	718	223	367	466	483	727
75°	150	136	236	252	263	178
85°	16	67	130	158	164	22
90°	0	49	95	104	103	1
95°	1	38	74	77	73	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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CATALOG NUMBER: 8SSRK-SLC-40-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1882.7	1882.7	1882.7	1882.7	1882.7
2.5°	1899.5	1865.5	1789.9	1738.6	1721.3
5°	1899.5	1793.0	1628.9	1559.5	1530.3
7.5°	1888.0	1701.0	1518.8	1488.7	1469.7
10°	1887.1	1602.8	1462.7	1437.5	1432.2
12.5°	1884.9	1548.4	1419.3	1508.6	1556.8
15°	1871.2	1494.5	1431.3	1752.7	1860.6
17.5°	1869.0	1454.3	1576.3	1983.1	2028.6
20°	1855.3	1422.4	1802.2	1953.9	1793.4
22.5°	1846.5	1400.3	1947.7	1571.9	1353.4
25°	1834.1	1426.8	1832.7	1249.5	1152.7
27.5°	1819.9	1512.2	1519.3	1087.7	1023.6
30°	1804.0	1645.7	1191.2	950.6	861.8
32.5°	1788.1	1743.4	1013.9	780.4	676.1
35°	1766.4	1703.2	868.8	620.8	573.0
37.5°	1746.1	1517.5	736.6	535.9	522.2
40°	1723.5	1222.6	591.6	502.3	516.4
42.5°	1704.5	969.2	497.0	498.8	533.7
45°	1686.4	770.2	448.3	511.6	556.2
47.5°	1675.8	612.4	428.9	527.1	562.9
50°	1659.4	490.8	421.8	530.1	550.0
52.5°	1624.9	404.6	419.6	513.8	527.5
55°	1548.9	343.1	413.4	495.2	528.4
57.5°	1408.7	305.1	399.3	499.2	550.0
60°	1203.6	275.5	385.1	512.0	552.7
62.5°	957.7	248.5	377.6	501.4	526.6
65°	718.1	222.8	367.0	465.6	482.8
67.5°	502.7	200.7	343.1	420.9	430.2
70°	341.8	179.5	313.5	363.9	367.9
72.5°	229.9	158.3	276.8	305.1	311.3
75°	149.9	135.7	236.1	252.0	263.1
77.5°	95.5	115.4	195.9	216.2	230.4
80°	59.2	95.5	164.9	194.1	203.0
82.5°	33.2	79.6	142.8	173.3	178.2
85°	15.9	66.8	130.0	157.9	164.5
87.5°	4.0	56.6	114.5	130.9	130.9
90°	0.4	48.6	95.1	103.9	103.0
92.5°	0.4	42.9	82.7	88.4	86.7
95°	0.9	38.5	73.8	76.9	73.4
97.5°	0.9	36.3	68.1	65.9	60.6
100°	0.9	33.6	61.9	56.2	50.4
102.5°	0.9	30.1	56.6	49.5	44.7
105°	0.9	25.6	51.7	44.7	40.2
107.5°	0.9	20.3	46.4	40.7	37.1
110°	0.9	14.6	41.6	37.6	34.9



TEST NUMBER: P290303

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	8.8	37.6	34.9	32.7
115°	0.9	3.1	33.6	31.8	29.6
117.5°	0.9	1.3	29.6	30.5	27.9
120°	0.9	1.3	24.8	28.7	26.5
122.5°	0.9	1.3	20.3	27.0	25.6
125°	0.9	0.9	15.5	24.8	24.3
127.5°	0.9	0.9	10.6	21.7	22.6
130°	0.9	0.9	5.3	17.7	19.9
132.5°	0.9	0.9	0.9	14.6	16.4
135°	0.9	0.9	0.9	10.6	13.3
137.5°	0.9	0.9	0.9	5.3	9.7
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)