

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: P290423

Luminaire Tested: **8SSRK-SLN-10-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLN-10-L950-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9717.1 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

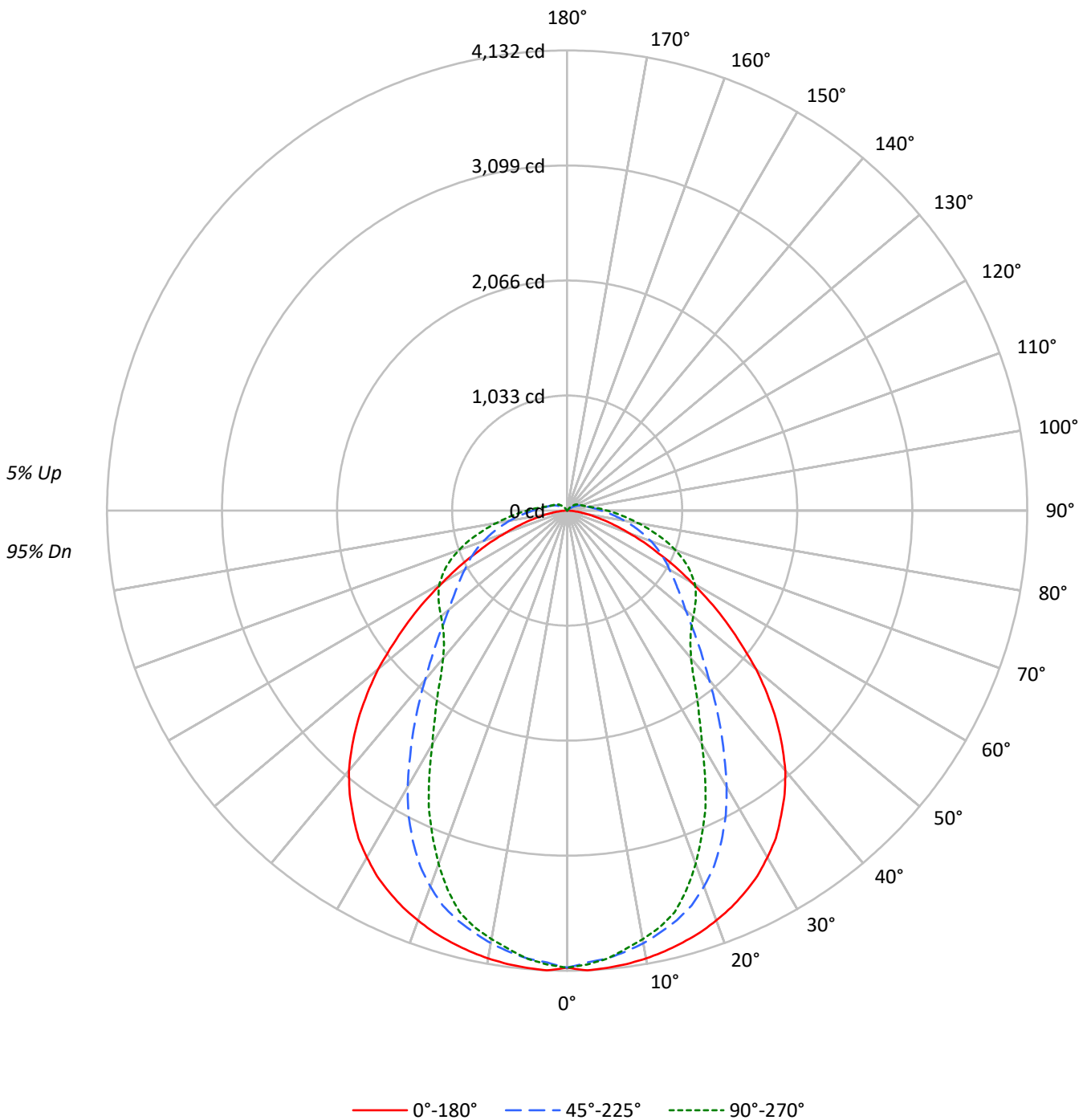
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	103	103	103	98	98	98	95				
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79				
2	98	90	83	77	95	87	81	76	83	78	73	79	75	71	75	72	69	66				
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	63	59	56				
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49				
5	76	64	55	48	74	62	54	48	60	52	47	57	51	46	55	49	45	43				
6	71	58	49	43	68	56	48	42	54	47	42	52	46	41	50	45	40	38				
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34				
8	61	48	40	34	60	47	40	34	46	39	34	44	38	33	43	37	33	31				
9	57	44	37	31	56	44	36	31	42	35	31	41	35	30	40	34	30	28				
10	54	41	34	28	53	41	33	28	39	33	28	38	32	28	37	31	27	26				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	132534	132534	132534
5°	133381	104821	97044
10°	133390	86159	75141
15°	133462	72257	60231
20°	133584	60668	47235
25°	133420	50184	36562
30°	132483	40441	27283
35°	130114	31725	21040
40°	126272	24670	16740
45°	118772	19596	14324
50°	108520	15885	12879
55°	95195	13438	11826
60°	80473	11577	10800
65°	66097	10055	9574
70°	52930	8564	8124
75°	40679	7070	6560
80°	29320	5669	5068
85°	18463	4433	3855



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.4	4.0
10°-20°	1080.4	11.1
20°-30°	1519.2	15.6
30°-40°	1590.9	16.4
40°-50°	1440.3	14.8
50°-60°	1225.9	12.6
60°-70°	969.3	10.0
70°-80°	660.0	6.8
80°-90°	376.6	3.9
90°-100°	208.9	2.1
100°-110°	127.6	1.3
110°-120°	77.6	0.8
120°-130°	42.0	0.4
130°-140°	12.7	0.1
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2985.0	30.7
0°-40°	4575.9	47.1
0°-60°	7242.1	74.5
0°-90°	9248.1	95.2
90°-120°	414.1	4.3
90°-150°	469.1	4.8
90°-180°	469.0	4.8
0°-180°	9717.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4104	4104	4104	4104	4104	
5°	4122	4096	4038	4056	4042	392
15°	4014	3938	3808	3769	3733	1134
25°	3781	3594	3276	3022	2940	1742
35°	3349	2972	2407	2106	2029	2093
45°	2655	2108	1649	1563	1568	2039
55°	1741	1329	1208	1347	1410	1557
65°	904	785	934	1141	1200	910
75°	351	428	658	808	838	383
85°	62	203	401	479	486	74
90°	1	142	306	357	357	4
95°	2	109	241	267	265	2
105°	2	66	162	168	162	2
115°	2	9	109	127	124	2
125°	1	2	49	88	93	1
135°	2	2	2	36	47	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°	4104.3	4104.3	4104.3	4104.3	4104.3
2.5°	4132.4	4109.9	4062.8	4093.1	4079.6
5°	4122.3	4096.5	4038.1	4056.1	4041.5
7.5°	4106.6	4071.8	3996.6	4002.2	3974.1
10°	4083.0	4038.1	3944.9	3934.8	3907.9
12.5°	4052.7	3990.9	3878.7	3865.2	3833.8
15°	4014.5	3938.2	3808.0	3768.7	3732.7
17.5°	3971.9	3875.3	3717.0	3629.5	3567.7
20°	3916.8	3794.5	3592.4	3465.6	3375.7
22.5°	3855.1	3706.9	3452.1	3261.2	3159.1
25°	3781.0	3593.5	3275.8	3022.1	2940.2
27.5°	3699.1	3475.7	3083.9	2787.5	2678.6
30°	3595.8	3326.3	2864.9	2547.2	2421.5
32.5°	3488.0	3165.8	2626.9	2307.0	2209.3
35°	3348.8	2971.6	2406.9	2106.0	2028.6
37.5°	3208.5	2763.9	2188.0	1926.4	1857.9
40°	3047.9	2554.0	1981.4	1778.2	1730.0
42.5°	2857.1	2340.7	1806.3	1653.6	1636.8
45°	2655.0	2108.3	1649.1	1562.7	1568.3
47.5°	2435.0	1897.2	1506.6	1489.7	1517.8
50°	2213.8	1700.8	1387.6	1434.7	1478.5
52.5°	1968.0	1511.1	1293.3	1389.8	1442.6
55°	1741.2	1329.2	1207.9	1347.2	1410.0
57.5°	1515.5	1174.3	1133.9	1303.4	1369.6
60°	1291.0	1032.8	1062.0	1256.2	1325.8
62.5°	1095.7	898.1	999.1	1203.5	1264.1
65°	903.7	784.7	934.0	1140.6	1200.1
67.5°	744.3	683.7	868.9	1065.4	1119.3
70°	592.7	588.3	799.3	982.3	1031.7
72.5°	462.5	501.8	726.3	895.9	943.0
75°	351.4	427.7	657.9	808.3	837.5
77.5°	257.1	358.1	588.3	719.6	739.8
80°	176.3	297.5	522.0	630.9	645.5
82.5°	111.1	245.9	458.0	551.2	561.3
85°	61.7	203.2	400.8	479.4	486.1
87.5°	23.6	167.3	349.1	416.5	422.1
90°	1.1	141.5	306.5	357.0	357.0
92.5°	1.1	123.5	271.7	309.8	312.1
95°	2.2	108.9	241.4	267.2	264.9
97.5°	2.2	98.8	213.3	234.6	227.9
100°	2.2	89.8	192.0	206.6	199.8
102.5°	2.2	79.7	175.1	184.1	176.3
105°	2.2	66.2	161.7	168.4	161.7
107.5°	2.2	52.8	147.1	156.0	149.3
110°	2.2	39.3	133.6	144.8	139.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	24.7	121.2	134.7	131.3
115°	2.2	9.0	108.9	126.9	123.5
117.5°	1.1	4.5	93.2	117.9	116.8
120°	1.1	3.4	78.6	110.0	110.0
122.5°	1.1	3.4	65.1	98.8	103.3
125°	1.1	2.2	49.4	87.6	93.2
127.5°	1.1	2.2	34.8	76.3	83.1
130°	1.1	2.2	18.0	62.9	71.8
132.5°	1.1	2.2	2.2	49.4	59.5
135°	2.2	2.2	2.2	35.9	47.2
137.5°	2.2	2.2	2.2	19.1	33.7
140°	2.2	2.2	1.1	1.1	15.7
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)