

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: P290343

Luminaire Tested: **8SSRK-SLC-12-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290343
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-12-L950-CD1-U
Description: 12000 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: 11161.5 lumens
Efficiency: N/A
Efficacy: 138.0 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

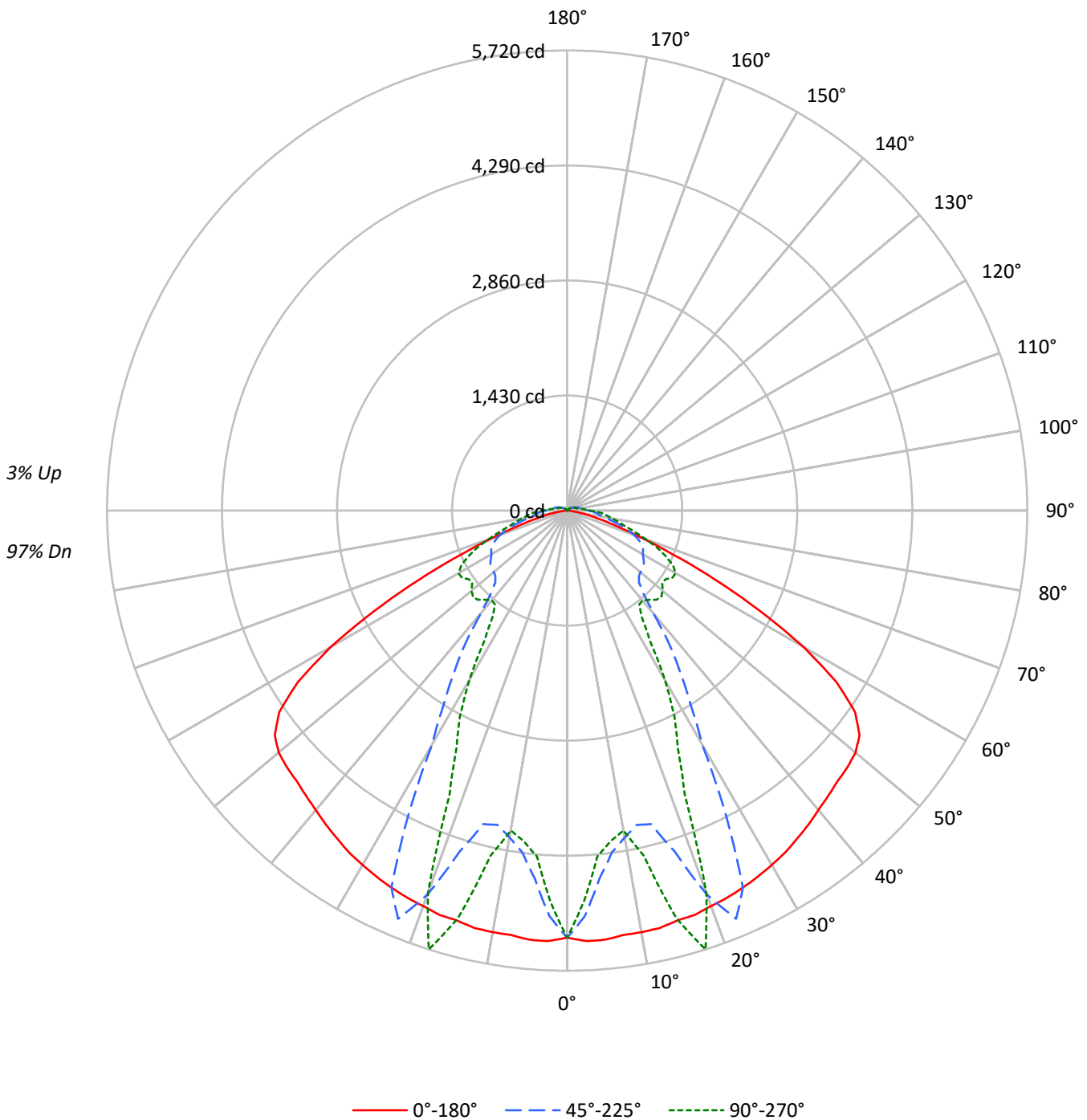
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	171406	171406	171406
5°	173282	119215	103601
10°	173822	90066	77639
15°	175391	76570	84647
20°	178398	85811	70750
25°	182469	79160	40415
30°	187395	47407	27376
35°	193504	32287	16756
40°	201317	20768	14090
45°	212697	15021	14324
50°	229343	13615	13509
55°	238746	12968	12494
60°	211517	11836	12694
65°	148073	11140	10860
70°	86052	9471	8167
75°	48922	7153	5810
80°	27774	5050	4493
85°	13436	4054	3677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.9	4.0
10°-20°	1324.4	11.9
20°-30°	1949.4	17.5
30°-40°	1904.4	17.1
40°-50°	1578.7	14.1
50°-60°	1449.4	13.0
60°-70°	1148.5	10.3
70°-80°	637.7	5.7
80°-90°	337.8	3.0
90°-100°	177.6	1.6
100°-110°	106.9	1.0
110°-120°	61.0	0.5
120°-130°	33.7	0.3
130°-140°	10.6	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°	3714.8	33.3
0°-40°	5619.2	50.3
0°-60°	8647.3	77.5
0°-90°	10771.4	96.5
90°-120°	345.5	3.1
90°-150°	390.2	3.5
90°-180°	390.0	3.5
0°-180°	11161.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5308	5308	5308	5308	5308	
5°	5356	5055	4593	4397	4315	509
15°	5276	4214	4035	4942	5246	1496
25°	5171	4023	5167	3523	3250	2389
35°	4980	4802	2450	1750	1616	3125
45°	4755	2172	1264	1442	1568	3687
55°	4367	967	1166	1396	1490	3792
65°	2024	628	1035	1313	1361	2049
75°	423	383	666	711	742	501
85°	45	188	366	445	464	62
90°	1	137	268	293	290	2
95°	2	108	208	217	207	2
105°	2	72	146	126	113	3
115°	2	9	95	90	84	2
125°	2	2	44	70	69	2
135°	2	2	2	30	37	2
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°	5308.1	5308.1	5308.1	5308.1	5308.1
2.5°	5355.5	5259.5	5046.3	4901.7	4853.1
5°	5355.5	5055.1	4592.6	4396.9	4314.6
7.5°	5323.1	4795.8	4282.2	4197.4	4143.8
10°	5320.6	4519.0	4123.8	4052.8	4037.8
12.5°	5314.4	4365.7	4001.7	4253.5	4389.4
15°	5275.7	4213.6	4035.3	4941.6	5245.8
17.5°	5269.5	4100.2	4444.2	5591.1	5719.5
20°	5230.8	4010.4	5081.2	5508.8	5056.3
22.5°	5205.9	3948.1	5491.4	4431.8	3815.9
25°	5171.0	4022.9	5167.3	3523.0	3250.0
27.5°	5131.1	4263.5	4283.4	3066.7	2885.9
30°	5086.2	4639.9	3358.4	2680.2	2429.7
32.5°	5041.4	4915.4	2858.5	2200.3	1906.1
35°	4980.3	4802.0	2449.6	1750.3	1615.6
37.5°	4922.9	4278.4	2076.9	1510.9	1472.3
40°	4859.3	3446.9	1668.0	1416.2	1456.1
42.5°	4805.7	2732.6	1401.2	1406.2	1504.7
45°	4754.6	2171.6	1264.1	1442.3	1568.3
47.5°	4724.7	1726.6	1209.2	1486.0	1587.0
50°	4678.6	1383.8	1189.3	1494.7	1550.8
52.5°	4581.4	1140.7	1183.0	1448.6	1487.2
55°	4366.9	967.4	1165.6	1396.2	1489.7
57.5°	3971.8	860.2	1125.7	1407.4	1550.8
60°	3393.3	776.6	1085.8	1443.6	1558.3
62.5°	2700.2	700.6	1064.6	1413.7	1484.7
65°	2024.5	628.3	1034.7	1312.7	1361.3
67.5°	1417.4	566.0	967.4	1186.8	1213.0
70°	963.6	506.1	883.9	1026.0	1037.2
72.5°	648.2	446.3	780.4	860.2	877.6
75°	422.6	382.7	665.7	710.6	741.7
77.5°	269.3	325.4	552.3	609.6	649.5
80°	167.0	269.3	465.0	547.3	572.2
82.5°	93.5	224.4	402.7	488.7	502.4
85°	44.9	188.2	366.5	445.0	463.7
87.5°	11.2	159.6	322.9	369.0	369.0
90°	1.2	137.1	268.0	293.0	290.5
92.5°	1.2	120.9	233.1	249.3	244.3
95°	2.5	108.5	208.2	216.9	206.9
97.5°	2.5	102.2	192.0	185.7	170.8
100°	2.5	94.7	174.5	158.3	142.1
102.5°	2.5	84.8	159.6	139.6	125.9
105°	2.5	72.3	145.9	125.9	113.4
107.5°	2.5	57.3	130.9	114.7	104.7
110°	2.5	41.1	117.2	106.0	98.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	24.9	106.0	98.5	92.3
115°	2.5	8.7	94.7	89.8	83.5
117.5°	2.5	3.7	83.5	86.0	78.5
120°	2.5	3.7	69.8	81.0	74.8
122.5°	2.5	3.7	57.3	76.0	72.3
125°	2.5	2.5	43.6	69.8	68.6
127.5°	2.5	2.5	29.9	61.1	63.6
130°	2.5	2.5	15.0	49.9	56.1
132.5°	2.5	2.5	2.5	41.1	46.1
135°	2.5	2.5	2.5	29.9	37.4
137.5°	2.5	2.5	2.5	15.0	27.4
140°	2.5	2.5	2.5	2.5	11.2
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)