

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: P290335

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290335
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-10-L950-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

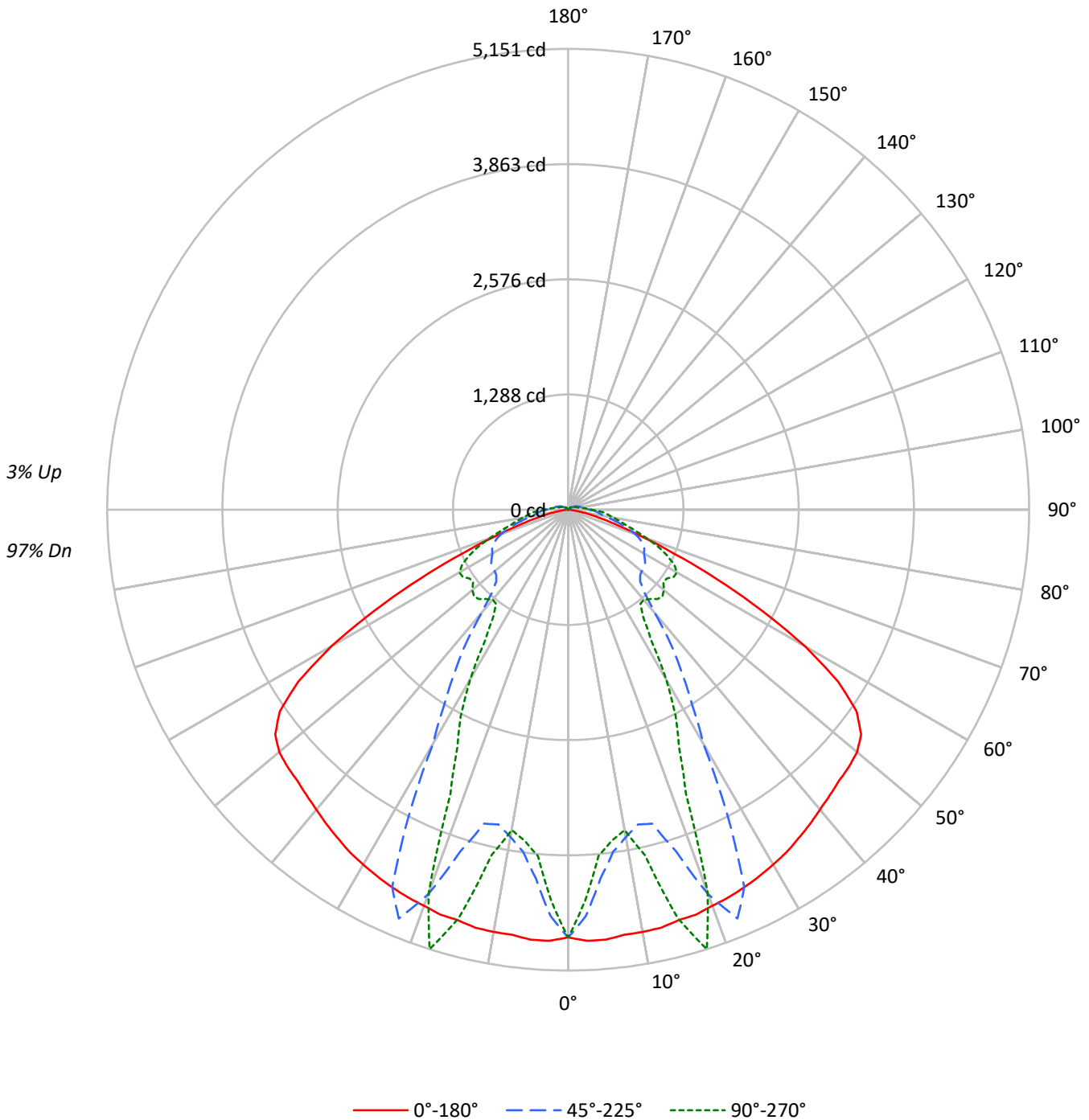
Lumens per Lamp: N/A
Luminaire Lumens: 10051.3 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 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	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°	154360	154360	154360
5°	156046	107357	93296
10°	156533	81109	69917
15°	157947	68955	76227
20°	160656	77276	63714
25°	164321	71286	36394
30°	168756	42692	24652
35°	174256	29077	15090
40°	181295	18702	12688
45°	191542	13526	12899
50°	206529	12261	12166
55°	215002	11678	11251
60°	190479	10659	11431
65°	133350	10032	9780
70°	77497	8528	7355
75°	44060	6442	5232
80°	25013	4547	4046
85°	12090	3651	3312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.1	4.0
10°-20°	1192.7	11.9
20°-30°	1755.5	17.5
30°-40°	1715.0	17.1
40°-50°	1421.7	14.1
50°-60°	1305.2	13.0
60°-70°	1034.3	10.3
70°-80°	574.3	5.7
80°-90°	304.2	3.0
90°-100°	159.9	1.6
100°-110°	96.3	1.0
110°-120°	55.0	0.5
120°-130°	30.3	0.3
130°-140°	9.6	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°	3345.3	33.3
0°-40°	5060.3	50.3
0°-60°	7787.2	77.5
0°-90°	9700.0	96.5
90°-120°	311.2	3.1
90°-150°	351.3	3.5
90°-180°	351.0	3.5
0°-180°	10051.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4780	4780	4780	4780	4780	
5°	4823	4552	4136	3960	3885	459
15°	4751	3794	3634	4450	4724	1348
25°	4657	3623	4653	3173	2927	2152
35°	4485	4324	2206	1576	1455	2814
45°	4282	1956	1138	1299	1412	3320
55°	3933	871	1050	1257	1342	3415
65°	1823	566	932	1182	1226	1845
75°	381	345	600	640	668	451
85°	40	170	330	401	418	56
90°	1	124	241	264	262	2
95°	2	98	188	195	186	2
105°	2	65	131	113	102	2
115°	2	8	85	81	75	2
125°	2	2	39	63	62	2
135°	2	2	2	27	34	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°	4780.2	4780.2	4780.2	4780.2	4780.2
2.5°	4822.8	4736.4	4544.4	4414.2	4370.4
5°	4822.8	4552.3	4135.8	3959.5	3885.4
7.5°	4793.6	4318.8	3856.2	3779.9	3731.6
10°	4791.4	4069.5	3713.7	3649.7	3636.2
12.5°	4785.8	3931.5	3603.6	3830.4	3952.8
15°	4751.0	3794.5	3634.0	4450.1	4724.0
17.5°	4745.4	3692.3	4002.2	5035.0	5150.6
20°	4710.6	3611.5	4575.8	4960.9	4553.4
22.5°	4688.1	3555.4	4945.2	3991.0	3436.4
25°	4656.7	3622.7	4653.3	3172.6	2926.7
27.5°	4620.7	3839.4	3857.4	2761.7	2598.9
30°	4580.3	4178.4	3024.4	2413.7	2188.0
32.5°	4539.9	4426.5	2574.2	1981.4	1716.5
35°	4484.9	4324.4	2206.0	1576.2	1454.9
37.5°	4433.3	3852.9	1870.3	1360.6	1325.8
40°	4376.0	3104.1	1502.1	1275.3	1311.2
42.5°	4327.7	2460.8	1261.8	1266.3	1355.0
45°	4281.7	1955.6	1138.3	1298.9	1412.3
47.5°	4254.8	1554.8	1089.0	1338.2	1429.1
50°	4213.2	1246.1	1071.0	1346.0	1396.6
52.5°	4125.7	1027.2	1065.4	1304.5	1339.3
55°	3932.6	871.2	1049.7	1257.3	1341.5
57.5°	3576.7	774.6	1013.7	1267.4	1396.6
60°	3055.8	699.4	977.8	1300.0	1403.3
62.5°	2431.6	630.9	958.7	1273.1	1337.1
65°	1823.2	565.8	931.8	1182.1	1225.9
67.5°	1276.4	509.7	871.2	1068.7	1092.3
70°	867.8	455.8	795.9	923.9	934.0
72.5°	583.8	401.9	702.8	774.6	790.3
75°	380.6	344.6	599.5	639.9	668.0
77.5°	242.5	293.0	497.3	549.0	584.9
80°	150.4	242.5	418.7	492.8	515.3
82.5°	84.2	202.1	362.6	440.1	452.4
85°	40.4	169.5	330.1	400.8	417.6
87.5°	10.1	143.7	290.8	332.3	332.3
90°	1.1	123.5	241.4	263.8	261.6
92.5°	1.1	108.9	209.9	224.5	220.0
95°	2.2	97.7	187.5	195.3	186.4
97.5°	2.2	92.1	172.9	167.3	153.8
100°	2.2	85.3	157.2	142.6	128.0
102.5°	2.2	76.3	143.7	125.7	113.4
105°	2.2	65.1	131.3	113.4	102.2
107.5°	2.2	51.6	117.9	103.3	94.3
110°	2.2	37.0	105.5	95.4	88.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	22.5	95.4	88.7	83.1
115°	2.2	7.9	85.3	80.8	75.2
117.5°	2.2	3.4	75.2	77.5	70.7
120°	2.2	3.4	62.9	73.0	67.4
122.5°	2.2	3.4	51.6	68.5	65.1
125°	2.2	2.2	39.3	62.9	61.7
127.5°	2.2	2.2	26.9	55.0	57.3
130°	2.2	2.2	13.5	44.9	50.5
132.5°	2.2	2.2	2.2	37.0	41.5
135°	2.2	2.2	2.2	26.9	33.7
137.5°	2.2	2.2	2.2	13.5	24.7
140°	2.2	2.2	2.2	2.2	10.1
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)