

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: P290271

Luminaire Tested: **4SSRK-SLC-30-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290271
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-30-L950-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

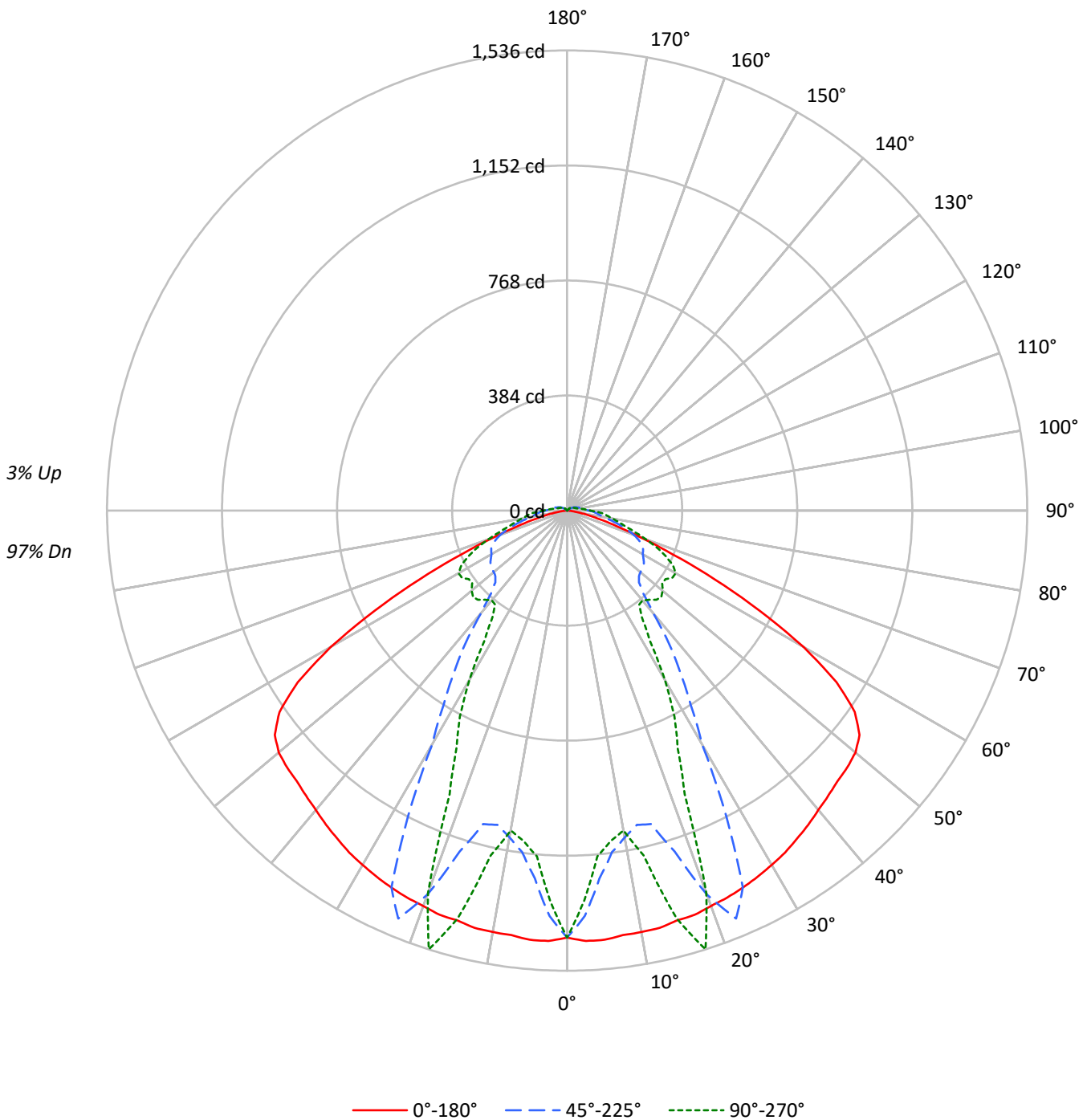
Lumens per Lamp: N/A
Luminaire Lumens: 2996.9 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 20.4
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°	92050	92050	92050
5°	92886	63952	55635
10°	93003	48284	41694
15°	93670	41027	45455
20°	95086	45959	37993
25°	97051	42383	21702
30°	99453	25375	14701
35°	102438	17278	8998
40°	106288	11113	7567
45°	111933	8035	7692
50°	120244	7281	7255
55°	124605	6936	6710
60°	109762	6328	6817
65°	76257	5955	5832
70°	43832	5062	4386
75°	24510	3822	3121
80°	13507	2700	2412
85°	6074	2166	1975



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	4.0
10°-20°	355.6	11.9
20°-30°	523.4	17.5
30°-40°	511.3	17.1
40°-50°	423.9	14.1
50°-60°	389.2	13.0
60°-70°	308.4	10.3
70°-80°	171.2	5.7
80°-90°	90.7	3.0
90°-100°	47.7	1.6
100°-110°	28.7	1.0
110°-120°	16.4	0.5
120°-130°	9.1	0.3
130°-140°	2.9	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°	997.4	33.3
0°-40°	1508.8	50.3
0°-60°	2321.8	77.5
0°-90°	2892.2	96.5
90°-120°	92.8	3.1
90°-150°	104.8	3.5
90°-180°	105.0	3.5
0°-180°	2996.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1425	1425	1425	1425	1425	
5°	1438	1357	1233	1181	1158	137
15°	1417	1131	1084	1327	1408	402
25°	1388	1080	1387	946	873	642
35°	1337	1289	658	470	434	839
45°	1277	583	339	387	421	990
55°	1172	260	313	375	400	1018
65°	544	169	278	352	366	550
75°	114	103	179	191	199	135
85°	12	50	98	120	124	17
90°	0	37	72	79	78	1
95°	1	29	56	58	56	1
105°	1	19	39	34	30	1
115°	1	2	25	24	22	1
125°	1	1	12	19	18	1
135°	1	1	1	8	10	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°	1425.3	1425.3	1425.3	1425.3	1425.3
2.5°	1438.0	1412.2	1355.0	1316.1	1303.1
5°	1438.0	1357.3	1233.1	1180.6	1158.5
7.5°	1429.3	1287.7	1149.8	1127.0	1112.6
10°	1428.6	1213.4	1107.3	1088.2	1084.2
12.5°	1426.9	1172.2	1074.5	1142.1	1178.6
15°	1416.6	1131.4	1083.5	1326.8	1408.5
17.5°	1414.9	1100.9	1193.3	1501.2	1535.7
20°	1404.5	1076.8	1364.3	1479.1	1357.6
22.5°	1397.8	1060.1	1474.5	1189.9	1024.6
25°	1388.4	1080.2	1387.4	945.9	872.6
27.5°	1377.7	1144.8	1150.1	823.4	774.9
30°	1365.7	1245.8	901.7	719.7	652.4
32.5°	1353.6	1319.8	767.5	590.8	511.8
35°	1337.2	1289.4	657.7	470.0	433.8
37.5°	1321.8	1148.8	557.7	405.7	395.3
40°	1304.8	925.5	447.9	380.2	391.0
42.5°	1290.4	733.7	376.2	377.6	404.0
45°	1276.6	583.1	339.4	387.3	421.1
47.5°	1268.6	463.6	324.7	399.0	426.1
50°	1256.2	371.5	319.3	401.3	416.4
52.5°	1230.1	306.3	317.7	388.9	399.3
55°	1172.5	259.7	313.0	374.9	400.0
57.5°	1066.4	231.0	302.3	377.9	416.4
60°	911.1	208.5	291.5	387.6	418.4
62.5°	725.0	188.1	285.9	379.6	398.7
65°	543.6	168.7	277.8	352.5	365.5
67.5°	380.6	152.0	259.7	318.7	325.7
70°	258.7	135.9	237.3	275.5	278.5
72.5°	174.1	119.8	209.5	231.0	235.6
75°	113.5	102.8	178.7	190.8	199.2
77.5°	72.3	87.4	148.3	163.7	174.4
80°	44.9	72.3	124.9	146.9	153.6
82.5°	25.1	60.3	108.1	131.2	134.9
85°	12.1	50.5	98.4	119.5	124.5
87.5°	3.0	42.8	86.7	99.1	99.1
90°	0.3	36.8	72.0	78.7	78.0
92.5°	0.3	32.5	62.6	66.9	65.6
95°	0.7	29.1	55.9	58.2	55.6
97.5°	0.7	27.4	51.5	49.9	45.9
100°	0.7	25.4	46.9	42.5	38.2
102.5°	0.7	22.8	42.8	37.5	33.8
105°	0.7	19.4	39.2	33.8	30.5
107.5°	0.7	15.4	35.1	30.8	28.1
110°	0.7	11.0	31.5	28.5	26.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	6.7	28.5	26.4	24.8
115°	0.7	2.3	25.4	24.1	22.4
117.5°	0.7	1.0	22.4	23.1	21.1
120°	0.7	1.0	18.7	21.8	20.1
122.5°	0.7	1.0	15.4	20.4	19.4
125°	0.7	0.7	11.7	18.7	18.4
127.5°	0.7	0.7	8.0	16.4	17.1
130°	0.7	0.7	4.0	13.4	15.1
132.5°	0.7	0.7	0.7	11.0	12.4
135°	0.7	0.7	0.7	8.0	10.0
137.5°	0.7	0.7	0.7	4.0	7.4
140°	0.7	0.7	0.7	0.7	3.0
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)