

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: P290269

Luminaire Tested: **4SSRK-SLC-30-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290269
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-L935-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2747.4 lumens
Efficiency: N/A
Efficacy: 134.7 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

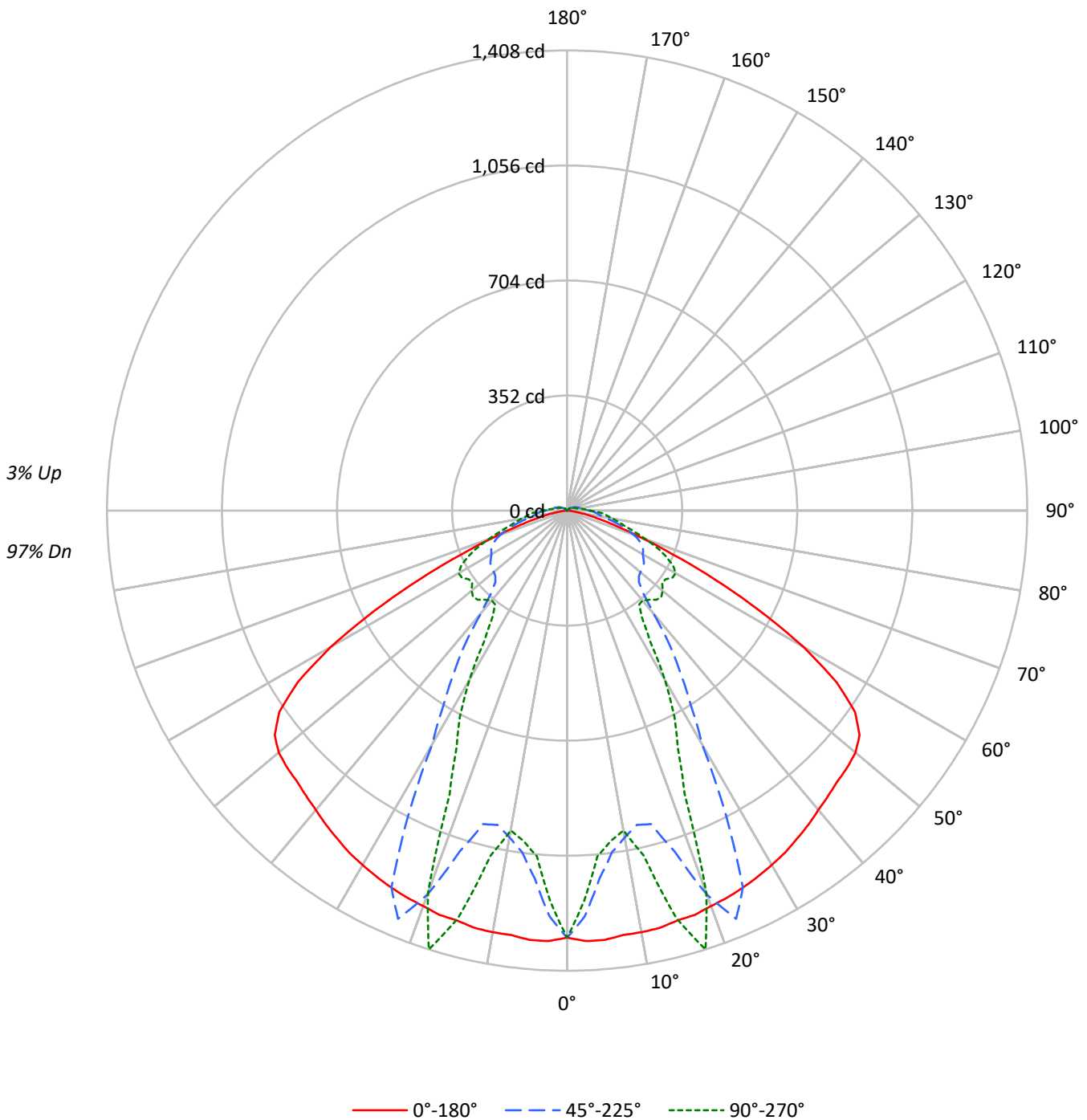
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	84384	84384	84384
5°	85155	58630	51001
10°	85263	44264	38221
15°	85867	37612	41673
20°	87172	42136	34830
25°	88977	38855	19896
30°	91173	23264	13478
35°	93912	15841	8250
40°	97433	10187	6936
45°	102622	7368	7051
50°	110231	6675	6650
55°	114233	6357	6151
60°	100630	5803	6250
65°	69902	5460	5347
70°	40189	4642	4021
75°	22459	3506	2861
80°	12364	2475	2211
85°	5521	1985	1811



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	4.0
10°-20°	326.0	11.9
20°-30°	479.9	17.5
30°-40°	468.8	17.1
40°-50°	388.6	14.1
50°-60°	356.8	13.0
60°-70°	282.7	10.3
70°-80°	157.0	5.7
80°-90°	83.1	3.0
90°-100°	43.7	1.6
100°-110°	26.3	1.0
110°-120°	15.0	0.5
120°-130°	8.3	0.3
130°-140°	2.6	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°	914.4	33.3
0°-40°	1383.2	50.3
0°-60°	2128.5	77.5
0°-90°	2651.4	96.5
90°-120°	85.1	3.1
90°-150°	96.0	3.5
90°-180°	96.0	3.5
0°-180°	2747.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1307	1307	1307	1307	1307	
5°	1318	1244	1130	1082	1062	125
15°	1299	1037	993	1216	1291	368
25°	1273	990	1272	867	800	588
35°	1226	1182	603	431	398	769
45°	1170	534	311	355	386	908
55°	1075	238	287	344	367	933
65°	498	155	255	323	335	504
75°	104	94	164	175	183	123
85°	11	46	90	110	114	15
90°	0	34	66	72	72	1
95°	1	27	51	53	51	0
105°	1	18	36	31	28	1
115°	1	2	23	22	21	1
125°	1	1	11	17	17	1
135°	1	1	1	7	9	0
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°	1306.6	1306.6	1306.6	1306.6	1306.6
2.5°	1318.3	1294.6	1242.2	1206.6	1194.6
5°	1318.3	1244.3	1130.5	1082.3	1062.0
7.5°	1310.3	1180.5	1054.1	1033.2	1020.0
10°	1309.7	1112.4	1015.1	997.6	993.9
12.5°	1308.1	1074.6	985.0	1047.0	1080.5
15°	1298.6	1037.2	993.3	1216.4	1291.3
17.5°	1297.1	1009.3	1094.0	1376.3	1407.9
20°	1287.6	987.2	1250.8	1356.0	1244.6
22.5°	1281.4	971.8	1351.7	1090.9	939.3
25°	1272.9	990.2	1271.9	867.2	800.0
27.5°	1263.0	1049.5	1054.4	754.9	710.4
30°	1252.0	1142.1	826.7	659.7	598.1
32.5°	1240.9	1209.9	703.6	541.6	469.2
35°	1225.9	1182.0	603.0	430.8	397.7
37.5°	1211.8	1053.1	511.2	371.9	362.4
40°	1196.1	848.5	410.6	348.6	358.4
42.5°	1182.9	672.6	344.9	346.1	370.4
45°	1170.4	534.5	311.2	355.0	386.0
47.5°	1163.0	425.0	297.7	365.8	390.6
50°	1151.6	340.6	292.7	367.9	381.7
52.5°	1127.7	280.8	291.2	356.6	366.1
55°	1074.9	238.1	286.9	343.7	366.7
57.5°	977.7	211.7	277.1	346.4	381.7
60°	835.3	191.2	267.3	355.3	383.6
62.5°	664.7	172.5	262.1	348.0	365.5
65°	498.3	154.7	254.7	323.1	335.1
67.5°	348.9	139.3	238.1	292.1	298.6
70°	237.2	124.6	217.6	252.5	255.3
72.5°	159.6	109.9	192.1	211.7	216.0
75°	104.0	94.2	163.9	174.9	182.6
77.5°	66.3	80.1	135.9	150.1	159.9
80°	41.1	66.3	114.5	134.7	140.8
82.5°	23.0	55.2	99.1	120.3	123.7
85°	11.0	46.3	90.2	109.5	114.2
87.5°	2.8	39.3	79.5	90.8	90.8
90°	0.3	33.8	66.0	72.1	71.5
92.5°	0.3	29.8	57.4	61.4	60.1
95°	0.6	26.7	51.2	53.4	50.9
97.5°	0.6	25.2	47.3	45.7	42.0
100°	0.6	23.3	43.0	39.0	35.0
102.5°	0.6	20.9	39.3	34.4	31.0
105°	0.6	17.8	35.9	31.0	27.9
107.5°	0.6	14.1	32.2	28.2	25.8
110°	0.6	10.1	28.8	26.1	24.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	6.1	26.1	24.2	22.7
115°	0.6	2.1	23.3	22.1	20.6
117.5°	0.6	0.9	20.6	21.2	19.3
120°	0.6	0.9	17.2	19.9	18.4
122.5°	0.6	0.9	14.1	18.7	17.8
125°	0.6	0.6	10.7	17.2	16.9
127.5°	0.6	0.6	7.4	15.0	15.6
130°	0.6	0.6	3.7	12.3	13.8
132.5°	0.6	0.6	0.6	10.1	11.4
135°	0.6	0.6	0.6	7.4	9.2
137.5°	0.6	0.6	0.6	3.7	6.8
140°	0.6	0.6	0.6	0.6	2.8
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)