

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: P290272

Luminaire Tested: **4SSRK-SLC-30-L830-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P290272  
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-L830-CD1-U  
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 80 CRI 3000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3215.3 lumens  
Efficiency: N/A  
Efficacy: 157.6 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

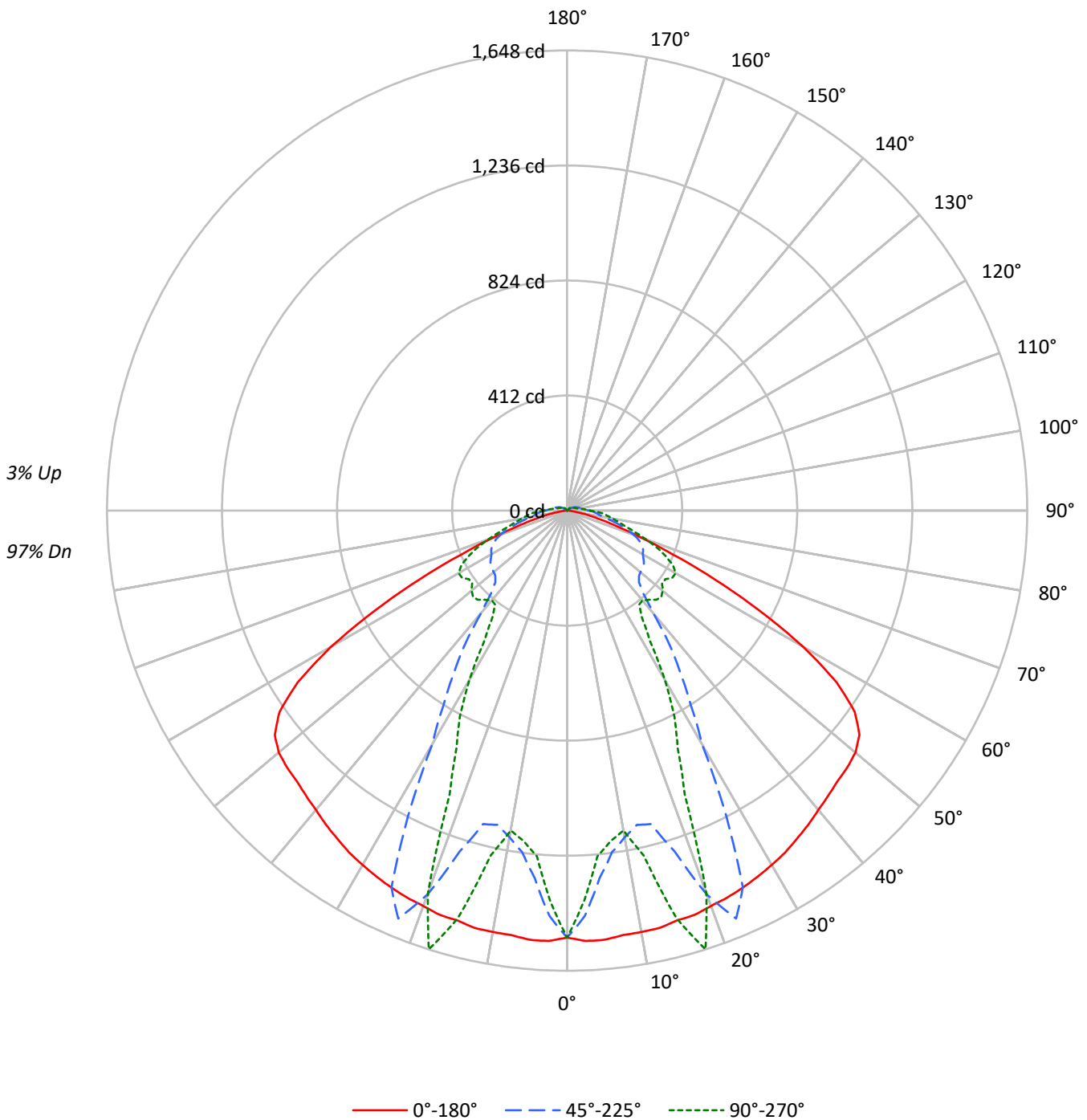
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	98754	98754	98754
5°	99656	68614	59689
10°	99780	51799	44732
15°	100494	44018	48770
20°	102012	49308	40763
25°	104125	45472	23284
30°	106699	27227	15772
35°	109907	18539	9654
40°	114026	11921	8116
45°	120096	8620	8253
50°	129012	7813	7782
55°	133692	7441	7198
60°	117761	6790	7313
65°	81812	6390	6258
70°	47034	5431	4706
75°	26281	4103	3348
80°	14470	2894	2588
85°	6475	2324	2119



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.0	4.0
10°-20°	381.5	11.9
20°-30°	561.6	17.5
30°-40°	548.6	17.1
40°-50°	454.8	14.1
50°-60°	417.5	13.0
60°-70°	330.9	10.3
70°-80°	183.7	5.7
80°-90°	97.3	3.0
90°-100°	51.2	1.6
100°-110°	30.8	1.0
110°-120°	17.6	0.5
120°-130°	9.7	0.3
130°-140°	3.1	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°	1070.1	33.3
0°-40°	1618.7	50.3
0°-60°	2491.0	77.5
0°-90°	3102.9	96.5
90°-120°	99.5	3.1
90°-150°	112.4	3.5
90°-180°	112.0	3.5
0°-180°	3215.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1529	1529	1529	1529	1529	
5°	1543	1456	1323	1267	1243	147
15°	1520	1214	1162	1424	1511	431
25°	1490	1159	1488	1015	936	688
35°	1435	1383	706	504	465	900
45°	1370	626	364	416	452	1062
55°	1258	279	336	402	429	1092
65°	583	181	298	378	392	590
75°	122	110	192	205	214	144
85°	13	54	106	128	134	18
90°	0	40	77	84	84	1
95°	1	31	60	62	60	1
105°	1	21	42	36	33	1
115°	1	2	27	26	24	1
125°	1	1	13	20	20	1
135°	1	1	1	9	11	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°	1529.1	1529.1	1529.1	1529.1	1529.1
2.5°	1542.8	1515.1	1453.7	1412.0	1398.0
5°	1542.8	1456.2	1323.0	1266.6	1242.9
7.5°	1533.4	1381.5	1233.6	1209.1	1193.7
10°	1532.7	1301.8	1187.9	1167.5	1163.2
12.5°	1530.9	1257.6	1152.8	1225.3	1264.4
15°	1519.8	1213.8	1162.5	1423.5	1511.2
17.5°	1518.0	1181.1	1280.2	1610.6	1647.6
20°	1506.8	1155.3	1463.7	1586.9	1456.6
22.5°	1499.7	1137.3	1581.9	1276.6	1099.2
25°	1489.6	1158.9	1488.5	1014.9	936.2
27.5°	1478.1	1228.2	1233.9	883.4	831.3
30°	1465.2	1336.6	967.5	772.1	699.9
32.5°	1452.3	1416.0	823.4	633.8	549.1
35°	1434.7	1383.3	705.7	504.2	465.4
37.5°	1418.1	1232.5	598.3	435.2	424.1
40°	1399.8	992.9	480.5	408.0	419.4
42.5°	1384.4	787.2	403.6	405.1	433.5
45°	1369.7	625.6	364.1	415.5	451.8
47.5°	1361.0	497.4	348.3	428.1	457.2
50°	1347.8	398.6	342.6	430.6	446.7
52.5°	1319.7	328.6	340.8	417.3	428.4
55°	1258.0	278.7	335.8	402.2	429.1
57.5°	1144.1	247.8	324.3	405.4	446.7
60°	977.5	223.7	312.8	415.9	448.9
62.5°	777.8	201.8	306.7	407.2	427.7
65°	583.2	181.0	298.1	378.1	392.2
67.5°	408.3	163.0	278.7	341.9	349.4
70°	277.6	145.8	254.6	295.6	298.8
72.5°	186.7	128.6	224.8	247.8	252.8
75°	121.7	110.2	191.8	204.7	213.7
77.5°	77.6	93.7	159.1	175.6	187.1
80°	48.1	77.6	133.9	157.7	164.8
82.5°	26.9	64.6	116.0	140.8	144.7
85°	12.9	54.2	105.6	128.2	133.6
87.5°	3.2	46.0	93.0	106.3	106.3
90°	0.4	39.5	77.2	84.4	83.7
92.5°	0.4	34.8	67.2	71.8	70.4
95°	0.7	31.2	60.0	62.5	59.6
97.5°	0.7	29.4	55.3	53.5	49.2
100°	0.7	27.3	50.3	45.6	40.9
102.5°	0.7	24.4	46.0	40.2	36.3
105°	0.7	20.8	42.0	36.3	32.7
107.5°	0.7	16.5	37.7	33.0	30.2
110°	0.7	11.9	33.8	30.5	28.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	7.2	30.5	28.4	26.6
115°	0.7	2.5	27.3	25.9	24.1
117.5°	0.7	1.1	24.1	24.8	22.6
120°	0.7	1.1	20.1	23.3	21.5
122.5°	0.7	1.1	16.5	21.9	20.8
125°	0.7	0.7	12.6	20.1	19.8
127.5°	0.7	0.7	8.6	17.6	18.3
130°	0.7	0.7	4.3	14.4	16.2
132.5°	0.7	0.7	0.7	11.9	13.3
135°	0.7	0.7	0.7	8.6	10.8
137.5°	0.7	0.7	0.7	4.3	7.9
140°	0.7	0.7	0.7	0.7	3.2
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)