

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: P289792

Luminaire Tested: **8SSRK-TS-60-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-TS-60-L830-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5500.2 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

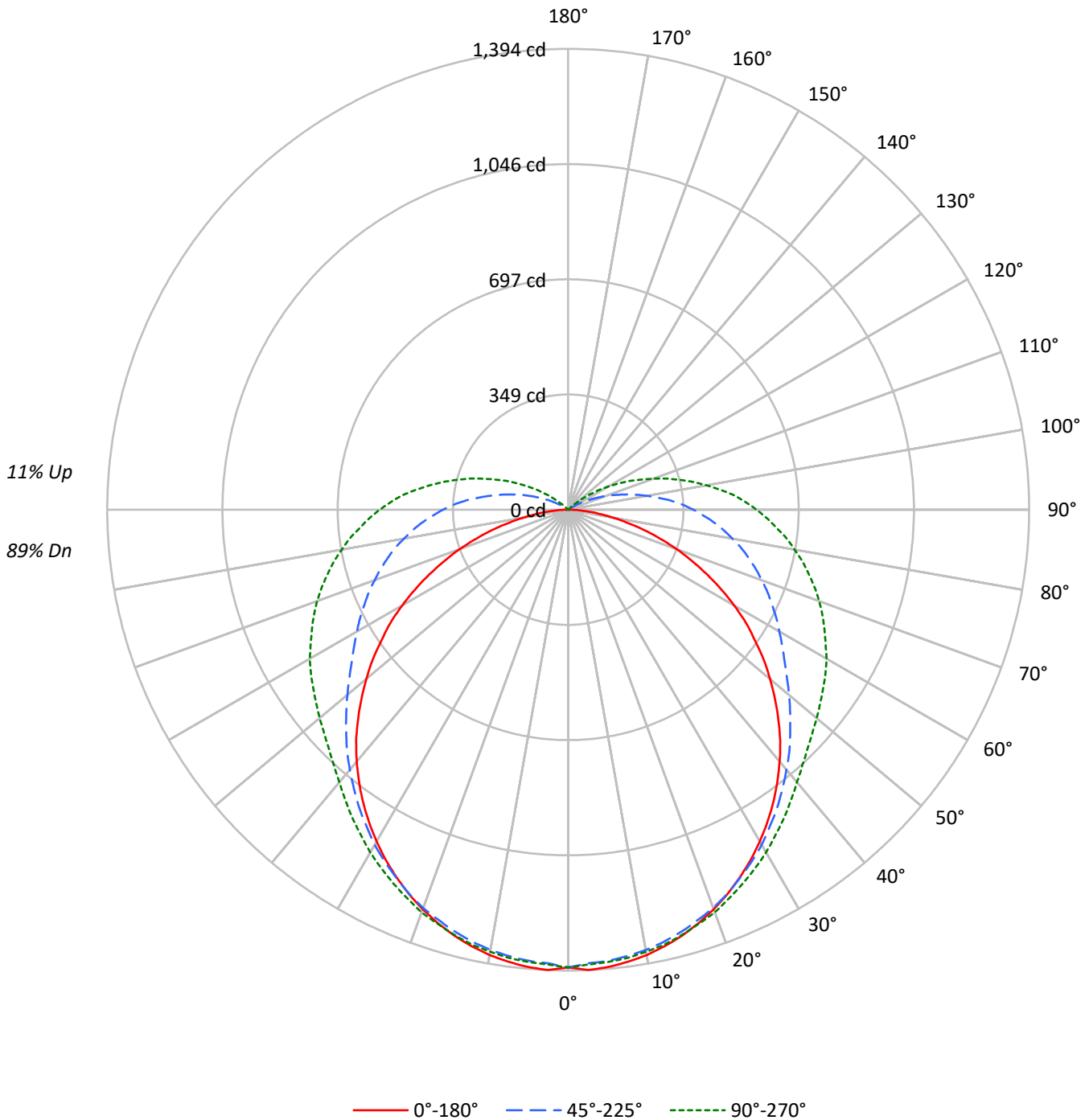
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	116	116	116	116	112	112	112	112	105	105	105		98	98	98		92	92	92	89
1	103	97	91	87	99	94	89	84	87	83	79		81	78	75		76	73	71	68
2	93	83	75	68	89	80	73	67	75	68	63		70	65	60		65	61	57	54
3	84	72	63	56	80	69	61	54	65	58	52		61	55	50		57	52	47	45
4	76	63	54	46	73	61	52	45	57	50	44		53	47	42		50	45	40	37
5	70	56	47	39	67	54	45	39	51	43	37		48	41	36		45	39	34	32
6	65	50	41	34	62	49	40	34	46	38	32		43	36	31		41	35	30	28
7	60	46	36	30	57	44	36	29	42	34	28		39	33	28		37	31	27	24
8	56	41	33	27	53	40	32	26	38	31	25		36	29	25		34	28	24	22
9	52	38	29	24	50	37	29	23	35	28	23		33	27	22		31	26	21	19
10	49	35	27	21	47	34	26	21	32	25	21		31	24	20		29	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44704	44704	44704
5°	44933	35562	32983
10°	44689	29531	26108
15°	44329	25083	21482
20°	43859	21657	18136
25°	43304	18832	15528
30°	42698	16521	13487
35°	42017	14519	11804
40°	41201	12784	10416
45°	40217	11280	9345
50°	39069	9979	8545
55°	37685	8884	7896
60°	36122	8038	7347
65°	33871	7321	6822
70°	31229	6671	6361
75°	27517	6072	5900
80°	22801	5482	5457
85°	16758	4900	5017



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.0	2.4
10°-20°	375.3	6.8
20°-30°	569.8	10.4
30°-40°	692.7	12.6
40°-50°	739.2	13.4
50°-60°	725.0	13.2
60°-70°	662.4	12.0
70°-80°	562.1	10.2
80°-90°	437.5	8.0
90°-100°	308.4	5.6
100°-110°	183.4	3.3
110°-120°	86.8	1.6
120°-130°	25.1	0.5
130°-140°	1.4	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1076.1	19.6
0°-40°	1768.7	32.2
0°-60°	3233.0	58.8
0°-90°	4895.0	89.0
90°-120°	578.6	10.5
90°-150°	605.2	11.0
90°-180°	605.0	11.0
0°-180°	5500.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1384	1384	1384	1384	1384	
5°	1389	1384	1370	1378	1374	132
15°	1333	1331	1322	1333	1331	376
25°	1227	1228	1229	1249	1249	566
35°	1081	1087	1102	1129	1138	676
45°	899	914	949	1000	1023	693
55°	689	719	798	903	941	617
65°	463	523	680	810	855	459
75°	238	360	565	705	753	252
85°	56	230	443	584	633	63
90°	4	170	378	521	569	5
95°	4	114	312	451	503	4
105°	4	31	178	302	348	4
115°	3	3	72	166	205	3
125°	2	1	4	55	81	2
135°	0	0	0	0	0	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°	1384.4	1384.4	1384.4	1384.4	1384.4
2.5°	1393.7	1388.7	1373.6	1381.5	1377.2
5°	1388.7	1383.7	1370.0	1377.9	1373.6
7.5°	1379.4	1375.8	1362.2	1370.8	1367.9
10°	1367.9	1364.3	1352.1	1362.2	1357.8
12.5°	1352.1	1348.5	1338.5	1348.5	1347.1
15°	1333.4	1330.6	1321.9	1333.4	1331.3
17.5°	1311.2	1309.0	1301.8	1316.2	1313.3
20°	1286.0	1284.6	1282.4	1295.4	1296.1
22.5°	1258.8	1258.8	1257.3	1271.7	1272.4
25°	1227.2	1227.9	1229.3	1248.7	1248.7
27.5°	1194.8	1197.0	1200.6	1219.3	1223.6
30°	1158.9	1162.5	1170.4	1190.5	1197.0
32.5°	1120.9	1126.6	1135.2	1160.4	1166.8
35°	1081.4	1087.1	1101.5	1128.8	1138.1
37.5°	1039.0	1045.5	1064.2	1095.0	1107.2
40°	994.5	1001.7	1026.8	1065.6	1076.4
42.5°	949.3	959.3	990.2	1031.8	1048.4
45°	899.0	914.1	949.3	999.5	1023.2
47.5°	848.7	866.7	910.5	972.2	1001.0
50°	797.0	817.1	871.7	947.8	980.9
52.5°	745.3	767.6	833.7	924.9	960.8
55°	689.3	718.8	798.5	902.6	941.4
57.5°	637.6	669.2	766.9	880.3	922.7
60°	579.5	619.7	737.4	857.4	901.9
62.5°	522.0	570.1	709.4	833.7	877.5
65°	463.1	522.7	680.0	810.0	855.2
67.5°	405.0	474.6	652.7	785.6	832.2
70°	349.7	433.0	622.6	760.4	807.8
72.5°	291.5	396.4	594.5	733.9	781.2
75°	237.7	360.5	565.1	705.1	753.2
77.5°	183.1	326.7	536.4	676.4	726.0
80°	137.1	295.1	504.8	646.2	695.1
82.5°	93.3	263.5	473.9	615.4	666.4
85°	56.0	229.8	443.0	583.8	632.6
87.5°	25.1	200.3	409.3	551.5	602.4
90°	4.3	170.2	378.4	520.6	569.4
92.5°	5.0	142.9	346.8	487.6	536.4
95°	4.3	114.2	312.4	450.9	503.4
97.5°	4.3	89.8	275.7	415.0	463.1
100°	3.6	66.8	240.5	377.0	424.4
102.5°	3.6	47.4	209.0	339.6	387.0
105°	3.6	30.9	178.1	302.3	348.3
107.5°	3.6	17.2	147.9	266.4	313.1
110°	3.6	6.5	120.6	234.1	272.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.9	2.9	94.1	198.2	238.4
115°	2.9	2.9	72.5	165.9	205.4
117.5°	2.9	2.2	49.5	135.7	171.6
120°	2.9	2.2	30.9	108.4	139.3
122.5°	2.2	1.4	15.1	80.4	111.3
125°	2.2	1.4	3.6	55.3	81.1
127.5°	2.2	0.7	0.0	33.0	56.0
130°	1.4	0.7	0.0	15.8	33.0
132.5°	1.4	0.7	0.0	2.9	14.4
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)