

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: P290496

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLW-60-L830-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5765.5 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

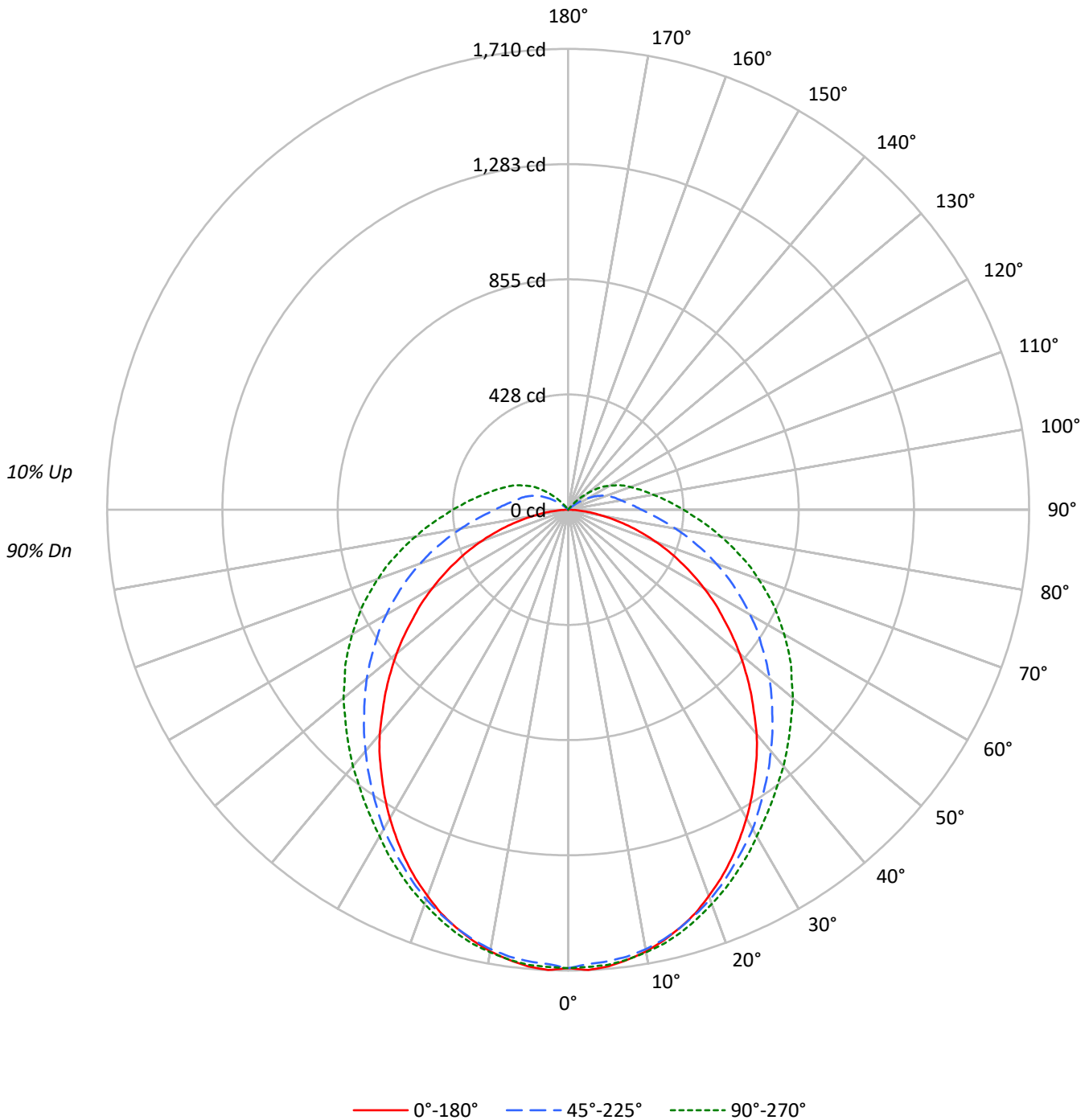
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54928	54928	54928
5°	55037	43672	40707
10°	54375	36163	32059
15°	53375	30464	26186
20°	52014	25985	21792
25°	50496	22285	18438
30°	48730	19319	15767
35°	46842	16704	13680
40°	45067	14555	12020
45°	42852	12722	10618
50°	40725	11163	9476
55°	38391	9738	8468
60°	36166	8493	7539
65°	33667	7336	6713
70°	30649	6255	5908
75°	26684	5262	5180
80°	21620	4382	4515
85°	15261	3653	3935



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.8	2.8
10°-20°	454.6	7.9
20°-30°	672.6	11.7
30°-40°	794.3	13.8
40°-50°	825.7	14.3
50°-60°	778.5	13.5
60°-70°	663.6	11.5
70°-80°	501.9	8.7
80°-90°	338.6	5.9
90°-100°	232.5	4.0
100°-110°	166.7	2.9
110°-120°	107.0	1.9
120°-130°	54.6	0.9
130°-140°	13.8	0.2
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1287.9	22.3
0°-40°	2082.3	36.1
0°-60°	3686.5	63.9
0°-90°	5190.6	90.0
90°-120°	506.2	8.8
90°-150°	574.8	10.0
90°-180°	575.0	10.0
0°-180°	5765.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1701	1701	1701	1701	1701	
5°	1701	1697	1682	1698	1695	161
15°	1606	1610	1606	1621	1623	452
25°	1431	1448	1455	1480	1483	658
35°	1206	1234	1267	1305	1319	755
45°	958	1005	1071	1137	1162	739
55°	702	775	875	969	1010	630
65°	460	554	681	794	842	457
75°	230	342	490	615	661	246
85°	51	172	330	452	496	58
90°	1	121	271	387	428	3
95°	1	96	231	333	370	1
105°	1	62	175	252	281	1
115°	1	8	121	190	214	1
125°	1	2	51	118	142	1
135°	1	1	1	37	55	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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CATALOG NUMBER: 8SSRK-SLW-60-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1701.0	1701.0	1701.0	1701.0	1701.0
2.5°	1709.6	1703.9	1687.4	1701.7	1698.1
5°	1701.0	1696.7	1682.4	1698.1	1695.3
7.5°	1684.5	1683.8	1672.3	1688.8	1683.8
10°	1664.4	1665.1	1655.8	1672.3	1667.3
12.5°	1637.1	1640.0	1633.5	1649.3	1648.6
15°	1605.5	1610.5	1605.5	1621.3	1622.8
17.5°	1569.6	1577.5	1573.9	1593.3	1591.2
20°	1525.1	1535.9	1538.7	1558.1	1557.4
22.5°	1480.6	1494.2	1499.3	1519.4	1522.2
25°	1431.0	1447.6	1454.7	1479.9	1482.7
27.5°	1377.2	1398.7	1411.7	1436.8	1443.2
30°	1322.6	1345.6	1368.6	1393.7	1399.4
32.5°	1265.9	1291.0	1317.6	1352.1	1358.5
35°	1205.6	1234.3	1267.3	1305.4	1319.0
37.5°	1148.9	1181.2	1219.9	1264.5	1278.8
40°	1087.8	1120.8	1169.0	1219.2	1242.2
42.5°	1019.6	1064.1	1121.6	1181.9	1202.0
45°	957.9	1005.2	1070.6	1136.6	1162.5
47.5°	893.2	948.5	1022.5	1095.7	1123.7
50°	830.8	891.1	975.1	1054.1	1087.8
52.5°	766.1	834.4	925.5	1013.1	1044.7
55°	702.2	774.8	875.3	969.3	1009.6
57.5°	644.8	718.8	830.0	926.3	967.2
60°	580.2	665.6	779.1	882.5	925.5
62.5°	520.6	607.5	728.8	838.7	881.7
65°	460.3	553.6	681.4	794.1	841.5
67.5°	403.5	497.6	633.3	750.3	795.6
70°	343.2	445.2	583.8	704.4	750.3
72.5°	287.9	392.8	537.8	659.9	709.4
75°	230.5	342.5	489.7	614.6	661.3
77.5°	179.5	293.7	446.6	572.3	618.9
80°	130.0	249.2	403.5	529.9	575.1
82.5°	88.3	208.2	365.5	491.1	535.7
85°	51.0	171.6	330.3	452.4	496.2
87.5°	19.4	142.9	298.7	418.6	458.8
90°	0.7	121.3	271.4	387.0	427.9
92.5°	0.7	106.3	250.6	358.3	396.4
95°	0.7	96.2	231.2	333.2	370.5
97.5°	1.4	88.3	214.0	310.9	343.9
100°	1.4	80.4	199.6	289.4	321.0
102.5°	1.4	72.5	186.7	270.0	299.4
105°	1.4	61.8	175.2	252.0	280.8
107.5°	1.4	48.1	162.3	237.0	262.1
110°	1.4	35.2	148.6	221.9	246.3



TEST NUMBER: P290496

CATALOG NUMBER: 8SSRK-SLW-60-L830-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	21.5	136.4	206.8	230.5
115°	1.4	7.9	121.3	190.3	214.0
117.5°	1.4	2.9	103.4	174.5	195.3
120°	1.4	2.2	86.2	157.2	178.1
122.5°	1.4	2.2	68.2	138.6	160.8
125°	1.4	2.2	51.0	118.5	142.2
127.5°	1.4	1.4	33.0	97.7	119.2
130°	1.4	1.4	15.8	77.5	98.4
132.5°	1.4	1.4	0.7	56.7	76.8
135°	1.4	0.7	0.7	37.3	55.3
137.5°	1.4	0.7	0.0	18.0	35.9
140°	1.4	0.7	0.0	0.0	14.4
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)