

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: P290463

Luminaire Tested: **4SSRK-SLW-60-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290463
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: 4SSRK-SLW-60-L950-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5418.5 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

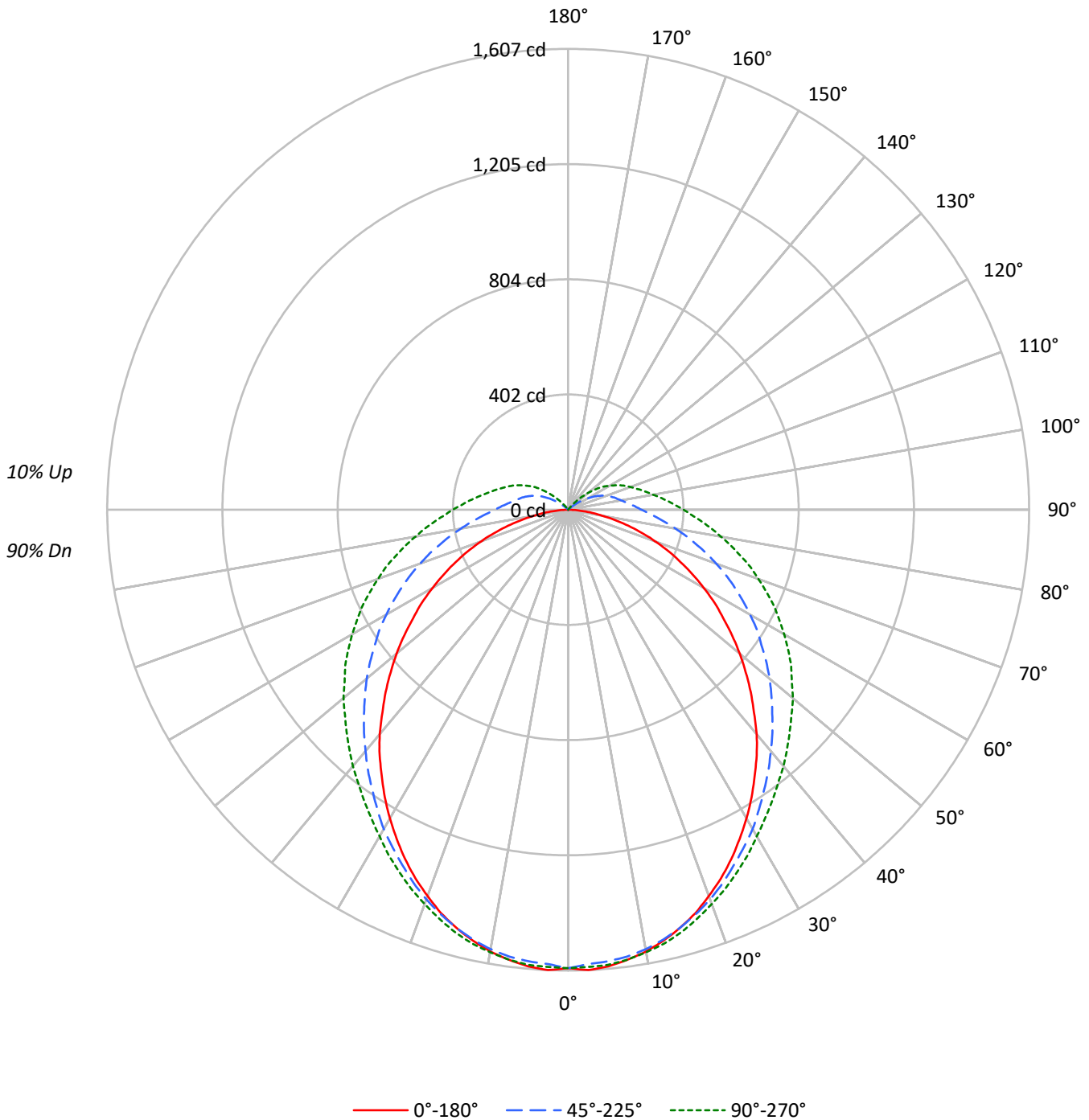
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	103249	103249	103249
5°	103267	82000	76516
10°	101831	67855	60257
15°	99773	57135	49218
20°	97036	48715	40962
25°	94010	41766	34657
30°	90518	36195	29637
35°	86795	31291	25715
40°	83284	27257	22592
45°	78930	23822	19957
50°	74738	20898	17812
55°	70140	18227	15915
60°	65693	15895	14171
65°	60686	13728	12619
70°	54659	11703	11106
75°	46775	9844	9736
80°	36731	8198	8487
85°	24043	6832	7396



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.1	2.8
10°-20°	427.3	7.9
20°-30°	632.1	11.7
30°-40°	746.5	13.8
40°-50°	776.0	14.3
50°-60°	731.7	13.5
60°-70°	623.7	11.5
70°-80°	471.7	8.7
80°-90°	318.3	5.9
90°-100°	218.5	4.0
100°-110°	156.7	2.9
110°-120°	100.5	1.9
120°-130°	51.3	0.9
130°-140°	13.0	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°	1210.4	22.3
0°-40°	1957.0	36.1
0°-60°	3464.7	63.9
0°-90°	4878.3	90.0
90°-120°	475.7	8.8
90°-150°	540.2	10.0
90°-180°	540.0	10.0
0°-180°	5418.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1599	1599	1599	1599	1599	
5°	1599	1595	1581	1596	1593	151
15°	1509	1514	1509	1524	1525	425
25°	1345	1360	1367	1391	1394	619
35°	1133	1160	1191	1227	1240	710
45°	900	945	1006	1068	1092	694
55°	660	728	823	911	949	592
65°	433	520	640	746	791	429
75°	217	322	460	578	622	231
85°	48	161	310	425	466	55
90°	1	114	255	364	402	3
95°	1	90	217	313	348	1
105°	1	58	165	237	264	1
115°	1	7	114	179	201	1
125°	1	2	48	111	134	1
135°	1	1	1	35	52	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°	1598.7	1598.7	1598.7	1598.7	1598.7
2.5°	1606.8	1601.4	1585.8	1599.3	1596.0
5°	1598.7	1594.6	1581.1	1596.0	1593.3
7.5°	1583.1	1582.5	1571.7	1587.2	1582.5
10°	1564.2	1564.9	1556.1	1571.7	1566.9
12.5°	1538.6	1541.3	1535.2	1550.1	1549.4
15°	1508.9	1513.6	1508.9	1523.8	1525.1
17.5°	1475.2	1482.6	1479.2	1497.4	1495.4
20°	1433.3	1443.4	1446.1	1464.4	1463.7
22.5°	1391.5	1404.3	1409.0	1427.9	1430.6
25°	1344.9	1360.4	1367.2	1390.8	1393.5
27.5°	1294.3	1314.6	1326.7	1350.3	1356.4
30°	1243.0	1264.6	1286.2	1309.8	1315.2
32.5°	1189.7	1213.3	1238.3	1270.7	1276.8
35°	1133.0	1160.0	1191.1	1226.8	1239.7
37.5°	1079.7	1110.1	1146.5	1188.4	1201.9
40°	1022.4	1053.4	1098.6	1145.9	1167.4
42.5°	958.2	1000.1	1054.1	1110.8	1129.7
45°	900.2	944.8	1006.2	1068.2	1092.5
47.5°	839.5	891.4	960.9	1029.8	1056.1
50°	780.8	837.5	916.4	990.6	1022.4
52.5°	720.0	784.1	869.8	952.2	981.9
55°	660.0	728.1	822.6	911.0	948.8
57.5°	606.0	675.5	780.1	870.5	909.0
60°	545.3	625.6	732.2	829.4	869.8
62.5°	489.2	570.9	684.9	788.2	828.7
65°	432.6	520.3	640.4	746.4	790.9
67.5°	379.3	467.7	595.2	705.2	747.7
70°	322.6	418.4	548.6	662.0	705.2
72.5°	270.6	369.1	505.4	620.2	666.7
75°	216.6	321.9	460.2	577.6	621.5
77.5°	168.7	276.0	419.7	537.8	581.7
80°	122.1	234.2	379.3	498.0	540.5
82.5°	83.0	195.7	343.5	461.6	503.4
85°	47.9	161.3	310.4	425.1	466.3
87.5°	18.2	134.3	280.7	393.4	431.2
90°	0.7	114.0	255.1	363.7	402.2
92.5°	0.7	99.9	235.5	336.7	372.5
95°	0.7	90.4	217.3	313.1	348.2
97.5°	1.3	83.0	201.1	292.2	323.2
100°	1.3	75.6	187.6	272.0	301.6
102.5°	1.3	68.2	175.5	253.7	281.4
105°	1.3	58.0	164.7	236.9	263.9
107.5°	1.3	45.2	152.5	222.7	246.3
110°	1.3	33.1	139.7	208.5	231.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	20.2	128.2	194.3	216.6
115°	1.3	7.4	114.0	178.8	201.1
117.5°	1.3	2.7	97.2	164.0	183.6
120°	1.3	2.0	81.0	147.8	167.4
122.5°	1.3	2.0	64.1	130.2	151.2
125°	1.3	2.0	47.9	111.3	133.6
127.5°	1.3	1.3	31.0	91.8	112.0
130°	1.3	1.3	14.8	72.9	92.5
132.5°	1.3	1.3	0.7	53.3	72.2
135°	1.3	0.7	0.7	35.1	52.0
137.5°	1.3	0.7	0.0	16.9	33.7
140°	1.3	0.7	0.0	0.0	13.5
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)