

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: P290462

Luminaire Tested: **4SSRK-SLW-60-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290462
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-L940-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5087.7 lumens
Efficiency: N/A
Efficacy: 113.6 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

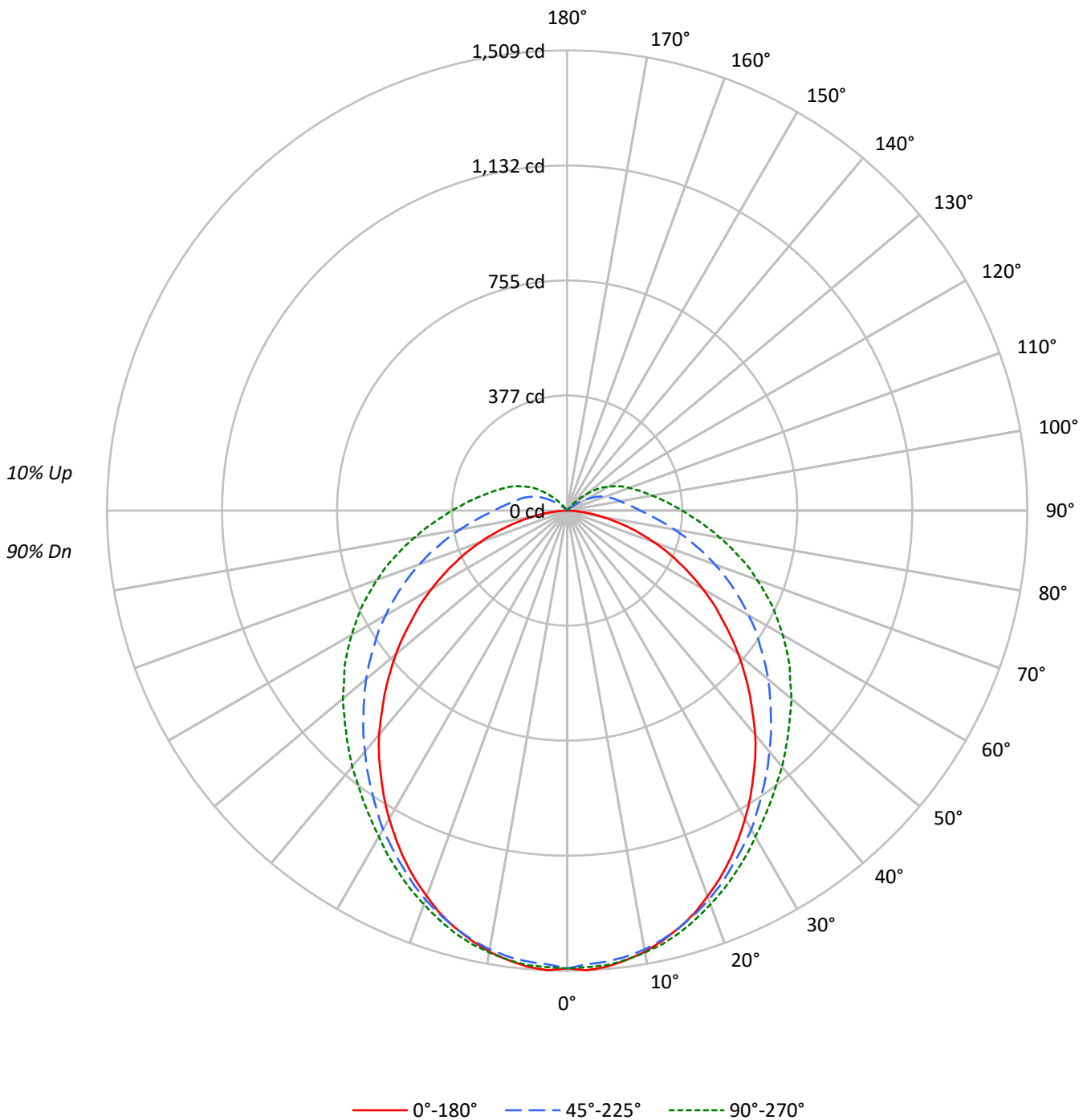
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	96946	96946	96946
5°	96962	76995	71843
10°	95620	63716	56580
15°	93683	53648	46214
20°	91112	45744	38460
25°	88271	39215	32541
30°	84991	33986	27827
35°	81501	29381	24145
40°	78193	25592	21214
45°	74117	22366	18738
50°	70172	19623	16724
55°	65857	17115	14944
60°	61681	14925	13306
65°	56982	12890	11848
70°	51321	10988	10427
75°	43924	9243	9143
80°	34505	7697	7969
85°	22588	6416	6944



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.9	2.8
10°-20°	401.2	7.9
20°-30°	593.5	11.7
30°-40°	701.0	13.8
40°-50°	728.7	14.3
50°-60°	687.0	13.5
60°-70°	585.6	11.5
70°-80°	442.9	8.7
80°-90°	298.8	5.9
90°-100°	205.2	4.0
100°-110°	147.1	2.9
110°-120°	94.4	1.9
120°-130°	48.2	0.9
130°-140°	12.2	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°	1136.5	22.3
0°-40°	1837.5	36.1
0°-60°	3253.2	63.9
0°-90°	4580.5	90.0
90°-120°	446.7	8.8
90°-150°	507.3	10.0
90°-180°	507.0	10.0
0°-180°	5087.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1501	1501	1501	1501	1501	
5°	1501	1497	1485	1498	1496	142
15°	1417	1421	1417	1431	1432	399
25°	1263	1277	1284	1306	1308	581
35°	1064	1089	1118	1152	1164	666
45°	845	887	945	1003	1026	652
55°	620	684	772	855	891	556
65°	406	488	601	701	743	403
75°	203	302	432	542	584	217
85°	45	151	292	399	438	51
90°	1	107	240	342	378	3
95°	1	85	204	294	327	1
105°	1	54	155	222	248	1
115°	1	7	107	168	189	1
125°	1	2	45	104	126	1
135°	1	1	1	33	49	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°	1501.1	1501.1	1501.1	1501.1	1501.1
2.5°	1508.7	1503.6	1489.0	1501.7	1498.5
5°	1501.1	1497.3	1484.6	1498.5	1496.0
7.5°	1486.5	1485.9	1475.7	1490.3	1485.9
10°	1468.8	1469.4	1461.2	1475.7	1471.3
12.5°	1444.7	1447.2	1441.5	1455.4	1454.8
15°	1416.8	1421.2	1416.8	1430.7	1432.0
17.5°	1385.1	1392.1	1388.9	1406.0	1404.1
20°	1345.8	1355.3	1357.9	1375.0	1374.3
22.5°	1306.5	1318.6	1323.0	1340.8	1343.3
25°	1262.8	1277.4	1283.7	1305.9	1308.4
27.5°	1215.3	1234.3	1245.7	1267.9	1273.6
30°	1167.1	1187.4	1207.7	1229.9	1234.9
32.5°	1117.1	1139.3	1162.7	1193.1	1198.8
35°	1063.9	1089.2	1118.4	1151.9	1164.0
37.5°	1013.8	1042.3	1076.5	1115.8	1128.5
40°	959.9	989.1	1031.5	1075.9	1096.2
42.5°	899.8	939.0	989.7	1043.0	1060.7
45°	845.3	887.1	944.7	1003.0	1025.8
47.5°	788.2	837.0	902.3	966.9	991.6
50°	733.1	786.3	860.5	930.2	959.9
52.5°	676.1	736.3	816.7	894.1	921.9
55°	619.7	683.7	772.4	855.4	890.9
57.5°	569.0	634.3	732.5	817.4	853.5
60°	512.0	587.4	687.5	778.7	816.7
62.5°	459.4	536.1	643.1	740.1	778.1
65°	406.2	488.5	601.3	700.8	742.6
67.5°	356.1	439.1	558.9	662.1	702.1
70°	302.9	392.9	515.1	621.6	662.1
72.5°	254.1	346.6	474.6	582.3	626.0
75°	203.4	302.2	432.1	542.4	583.6
77.5°	158.4	259.2	394.1	505.0	546.2
80°	114.7	219.9	356.1	467.6	507.5
82.5°	77.9	183.8	322.5	433.4	472.7
85°	45.0	151.4	291.5	399.2	437.8
87.5°	17.1	126.1	263.6	369.4	404.9
90°	0.6	107.1	239.5	341.5	377.6
92.5°	0.6	93.8	221.1	316.2	349.8
95°	0.6	84.9	204.0	294.0	327.0
97.5°	1.3	77.9	188.8	274.4	303.5
100°	1.3	71.0	176.1	255.4	283.2
102.5°	1.3	64.0	164.7	238.2	264.2
105°	1.3	54.5	154.6	222.4	247.7
107.5°	1.3	42.5	143.2	209.1	231.3
110°	1.3	31.0	131.2	195.8	217.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	19.0	120.4	182.5	203.4
115°	1.3	7.0	107.1	167.9	188.8
117.5°	1.3	2.5	91.2	154.0	172.3
120°	1.3	1.9	76.0	138.8	157.1
122.5°	1.3	1.9	60.2	122.3	141.9
125°	1.3	1.9	45.0	104.5	125.5
127.5°	1.3	1.3	29.1	86.2	105.2
130°	1.3	1.3	13.9	68.4	86.8
132.5°	1.3	1.3	0.6	50.1	67.8
135°	1.3	0.6	0.6	32.9	48.8
137.5°	1.3	0.6	0.0	15.8	31.7
140°	1.3	0.6	0.0	0.0	12.7
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)