

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: P290465

Luminaire Tested: **4SSRK-SLW-60-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290465
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-L835-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5913.6 lumens
Efficiency: N/A
Efficacy: 132.0 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

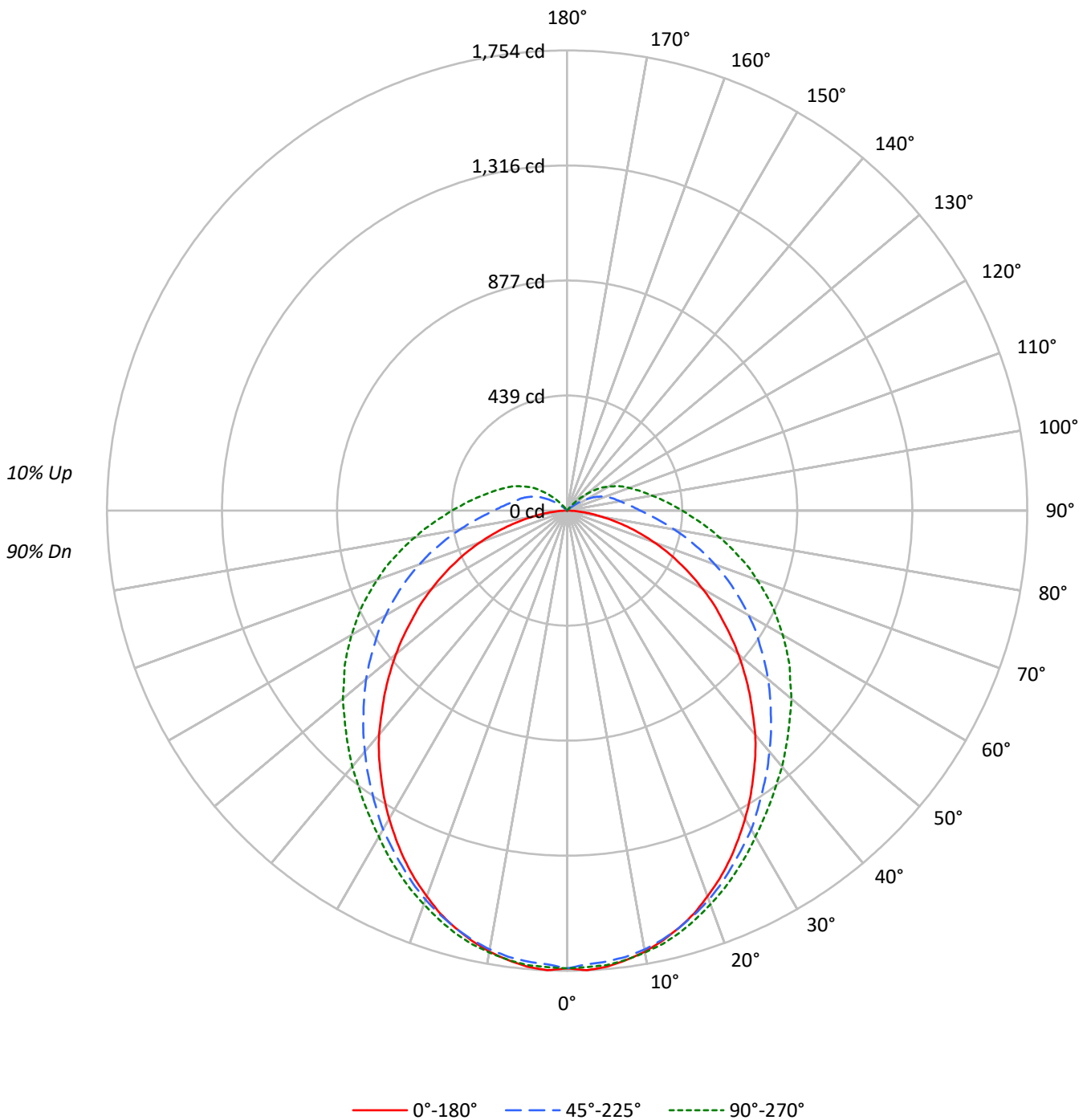
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90					90			
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71					71			
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58					58			
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48					48			
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41					41			
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35					35			
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31					31			
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27					27			
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24					24			
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22					22			
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20					20			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	112678	112678	112678
5°	112698	89494	83504
10°	111140	74055	65764
15°	108891	62357	53717
20°	105905	53168	44703
25°	102601	45582	37823
30°	98791	39502	32345
35°	94731	34149	28064
40°	90892	29748	24657
45°	86146	25997	21781
50°	81563	22807	19440
55°	76548	19894	17370
60°	71693	17347	15466
65°	66227	14982	13772
70°	59640	12773	12120
75°	51050	10744	10626
80°	40101	8946	9263
85°	26252	7457	8071



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.9	2.8
10°-20°	466.3	7.9
20°-30°	689.9	11.7
30°-40°	814.7	13.8
40°-50°	847.0	14.3
50°-60°	798.5	13.5
60°-70°	680.7	11.5
70°-80°	514.8	8.7
80°-90°	347.4	5.9
90°-100°	238.5	4.0
100°-110°	171.0	2.9
110°-120°	109.7	1.9
120°-130°	56.0	0.9
130°-140°	14.2	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°	1321.0	22.3
0°-40°	2135.8	36.1
0°-60°	3781.3	63.9
0°-90°	5324.0	90.0
90°-120°	519.2	8.8
90°-150°	589.6	10.0
90°-180°	590.0	10.0
0°-180°	5913.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1745	1745	1745	1745	1745	
5°	1745	1740	1726	1742	1739	165
15°	1647	1652	1647	1663	1664	464
25°	1468	1485	1492	1518	1521	675
35°	1237	1266	1300	1339	1353	774
45°	982	1031	1098	1166	1192	758
55°	720	795	898	994	1036	646
65°	472	568	699	814	863	468
75°	236	351	502	630	678	253
85°	52	176	339	464	509	60
90°	1	124	278	397	439	3
95°	1	99	237	342	380	1
105°	2	63	180	258	288	2
115°	2	8	124	195	220	1
125°	2	2	52	122	146	1
135°	2	1	1	38	57	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°	1744.7	1744.7	1744.7	1744.7	1744.7
2.5°	1753.6	1747.7	1730.7	1745.5	1741.8
5°	1744.7	1740.3	1725.6	1741.8	1738.8
7.5°	1727.8	1727.1	1715.3	1732.2	1727.1
10°	1707.2	1707.9	1698.3	1715.3	1710.1
12.5°	1679.2	1682.1	1675.5	1691.7	1691.0
15°	1646.8	1651.9	1646.8	1663.0	1664.5
17.5°	1610.0	1618.1	1614.4	1634.3	1632.0
20°	1564.3	1575.3	1578.3	1598.2	1597.4
22.5°	1518.6	1532.6	1537.8	1558.4	1561.3
25°	1467.8	1484.7	1492.1	1517.9	1520.8
27.5°	1412.6	1434.7	1447.9	1473.7	1480.3
30°	1356.6	1380.2	1403.7	1429.5	1435.4
32.5°	1298.4	1324.2	1351.4	1386.8	1393.4
35°	1236.6	1266.0	1299.9	1338.9	1352.9
37.5°	1178.4	1211.5	1251.3	1296.9	1311.7
40°	1115.8	1149.6	1199.0	1250.5	1274.1
42.5°	1045.8	1091.5	1150.4	1212.3	1232.9
45°	982.5	1031.1	1098.1	1165.9	1192.4
47.5°	916.2	972.9	1048.8	1123.9	1152.6
50°	852.1	914.0	1000.1	1081.2	1115.8
52.5°	785.8	855.8	949.3	1039.2	1071.6
55°	720.3	794.7	897.8	994.3	1035.5
57.5°	661.4	737.2	851.4	950.1	992.0
60°	595.1	682.7	799.1	905.1	949.3
62.5°	533.9	623.1	747.5	860.2	904.4
65°	472.1	567.8	698.9	814.5	863.2
67.5°	413.9	510.4	649.6	769.6	816.0
70°	352.0	456.6	598.8	722.5	769.6
72.5°	295.3	402.9	551.6	676.8	727.6
75°	236.4	351.3	502.3	630.4	678.3
77.5°	184.1	301.2	458.1	587.0	634.8
80°	133.3	255.6	413.9	543.5	589.9
82.5°	90.6	213.6	374.9	503.8	549.4
85°	52.3	176.0	338.8	464.0	508.9
87.5°	19.9	146.6	306.4	429.4	470.6
90°	0.7	124.5	278.4	397.0	438.9
92.5°	0.7	109.0	257.0	367.5	406.5
95°	0.7	98.7	237.1	341.7	380.0
97.5°	1.5	90.6	219.5	318.9	352.8
100°	1.5	82.5	204.7	296.8	329.2
102.5°	1.5	74.4	191.5	276.9	307.1
105°	1.5	63.3	179.7	258.5	288.0
107.5°	1.5	49.3	166.4	243.0	268.8
110°	1.5	36.1	152.5	227.6	252.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	22.1	139.9	212.1	236.4
115°	1.5	8.1	124.5	195.2	219.5
117.5°	1.5	2.9	106.1	179.0	200.3
120°	1.5	2.2	88.4	161.3	182.6
122.5°	1.5	2.2	70.0	142.1	165.0
125°	1.5	2.2	52.3	121.5	145.8
127.5°	1.5	1.5	33.9	100.2	122.3
130°	1.5	1.5	16.2	79.5	100.9
132.5°	1.5	1.5	0.7	58.2	78.8
135°	1.5	0.7	0.7	38.3	56.7
137.5°	1.5	0.7	0.0	18.4	36.8
140°	1.5	0.7	0.0	0.0	14.7
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)