

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: P290493

Luminaire Tested: **8SSRK-SLW-60-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290493
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-L935-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4926.6 lumens
Efficiency: N/A
Efficacy: 119.0 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

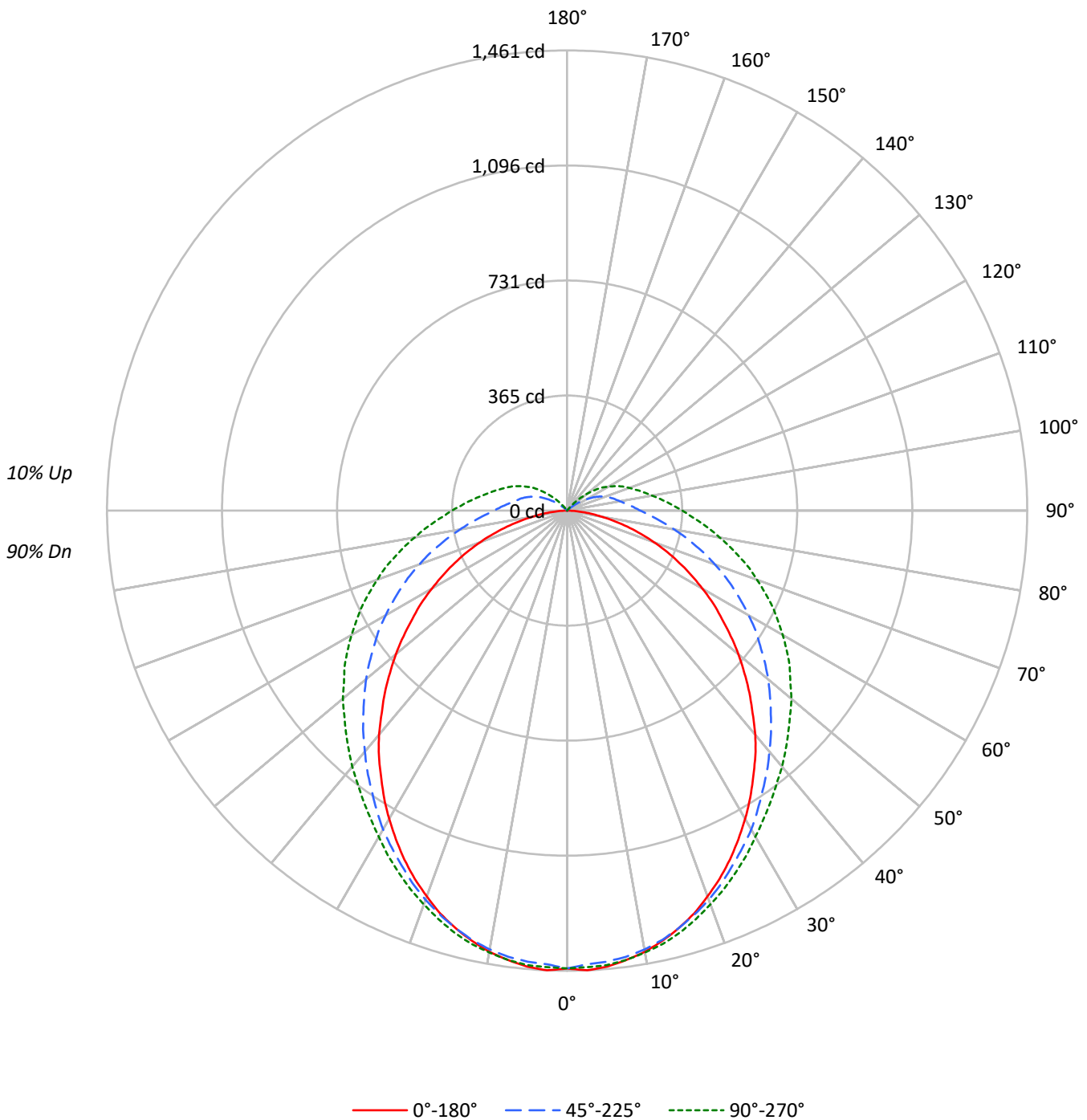
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	46936	46936	46936
5°	47029	37317	34784
10°	46463	30902	27394
15°	45609	26032	22374
20°	44446	22204	18621
25°	43149	19044	15755
30°	41641	16507	13473
35°	40027	14273	11690
40°	38509	12437	10270
45°	36616	10870	9072
50°	34799	9538	8097
55°	32809	8321	7235
60°	30905	7257	6443
65°	28766	6269	5737
70°	26192	5345	5049
75°	22805	4496	4426
80°	18477	3744	3859
85°	13047	3121	3362



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.4	2.8
10°-20°	388.5	7.9
20°-30°	574.7	11.7
30°-40°	678.7	13.8
40°-50°	705.6	14.3
50°-60°	665.2	13.5
60°-70°	567.1	11.5
70°-80°	428.8	8.7
80°-90°	289.4	5.9
90°-100°	198.7	4.0
100°-110°	142.5	2.9
110°-120°	91.4	1.9
120°-130°	46.6	0.9
130°-140°	11.8	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°	1100.5	22.3
0°-40°	1779.3	36.1
0°-60°	3150.1	63.9
0°-90°	4435.4	90.0
90°-120°	432.6	8.8
90°-150°	491.2	10.0
90°-180°	491.0	10.0
0°-180°	4926.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1454	1454	1454	1454	1454	
5°	1454	1450	1438	1451	1449	138
15°	1372	1376	1372	1385	1387	386
25°	1223	1237	1243	1264	1267	562
35°	1030	1055	1083	1115	1127	645
45°	818	859	915	971	993	631
55°	600	662	748	828	863	538
65°	393	473	582	679	719	390
75°	197	293	418	525	565	211
85°	44	147	282	386	424	50
90°	1	104	232	331	366	3
95°	1	82	198	285	317	1
105°	1	53	150	215	240	1
115°	1	7	104	163	183	1
125°	1	2	44	101	122	1
135°	1	1	1	32	47	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



TEST NUMBER: P290493

CATALOG NUMBER: 8SSRK-SLW-60-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1453.5	1453.5	1453.5	1453.5	1453.5
2.5°	1460.9	1456.0	1441.8	1454.1	1451.1
5°	1453.5	1449.8	1437.6	1451.1	1448.6
7.5°	1439.4	1438.8	1429.0	1443.1	1438.8
10°	1422.2	1422.8	1414.9	1429.0	1424.7
12.5°	1398.9	1401.4	1395.8	1409.3	1408.7
15°	1371.9	1376.2	1371.9	1385.4	1386.6
17.5°	1341.2	1348.0	1344.9	1361.5	1359.6
20°	1303.2	1312.4	1314.8	1331.4	1330.8
22.5°	1265.1	1276.8	1281.1	1298.3	1300.7
25°	1222.8	1236.9	1243.1	1264.5	1267.0
27.5°	1176.8	1195.2	1206.2	1227.7	1233.2
30°	1130.2	1149.8	1169.4	1190.9	1195.8
32.5°	1081.7	1103.2	1125.9	1155.3	1160.8
35°	1030.2	1054.7	1082.9	1115.4	1127.1
37.5°	981.7	1009.3	1042.4	1080.5	1092.7
40°	929.5	957.8	998.9	1041.8	1061.4
42.5°	871.2	909.3	958.4	1009.9	1027.1
45°	818.5	859.0	914.8	971.3	993.3
47.5°	763.3	810.5	873.7	936.3	960.2
50°	709.9	761.4	833.2	900.7	929.5
52.5°	654.7	712.9	790.9	865.7	892.7
55°	600.1	662.0	747.9	828.3	862.7
57.5°	551.0	614.2	709.3	791.5	826.5
60°	495.8	568.8	665.7	754.1	790.9
62.5°	444.8	519.1	622.8	716.6	753.4
65°	393.3	473.0	582.3	678.6	719.1
67.5°	344.8	425.2	541.2	641.2	679.8
70°	293.3	380.4	498.8	601.9	641.2
72.5°	246.0	335.6	459.6	563.9	606.2
75°	197.0	292.7	418.4	525.2	565.1
77.5°	153.4	250.9	381.6	489.0	528.9
80°	111.1	212.9	344.8	452.8	491.5
82.5°	75.5	177.9	312.3	419.7	457.7
85°	43.6	146.6	282.2	386.5	424.0
87.5°	16.6	122.1	255.2	357.7	392.1
90°	0.6	103.7	231.9	330.7	365.7
92.5°	0.6	90.8	214.1	306.2	338.7
95°	0.6	82.2	197.6	284.7	316.6
97.5°	1.2	75.5	182.8	265.7	293.9
100°	1.2	68.7	170.6	247.3	274.3
102.5°	1.2	62.0	159.5	230.7	255.9
105°	1.2	52.8	149.7	215.4	239.9
107.5°	1.2	41.1	138.7	202.5	223.9
110°	1.2	30.1	127.0	189.6	210.4



TEST NUMBER: P290493

CATALOG NUMBER: 8SSRK-SLW-60-L935-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	18.4	116.6	176.7	197.0
115°	1.2	6.7	103.7	162.6	182.8
117.5°	1.2	2.5	88.4	149.1	166.9
120°	1.2	1.8	73.6	134.4	152.2
122.5°	1.2	1.8	58.3	118.4	137.4
125°	1.2	1.8	43.6	101.2	121.5
127.5°	1.2	1.2	28.2	83.4	101.8
130°	1.2	1.2	13.5	66.3	84.1
132.5°	1.2	1.2	0.6	48.5	65.7
135°	1.2	0.6	0.6	31.9	47.2
137.5°	1.2	0.6	0.0	15.3	30.7
140°	1.2	0.6	0.0	0.0	12.3
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)