

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: P289935

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-LW-60-L950-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5105.0 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

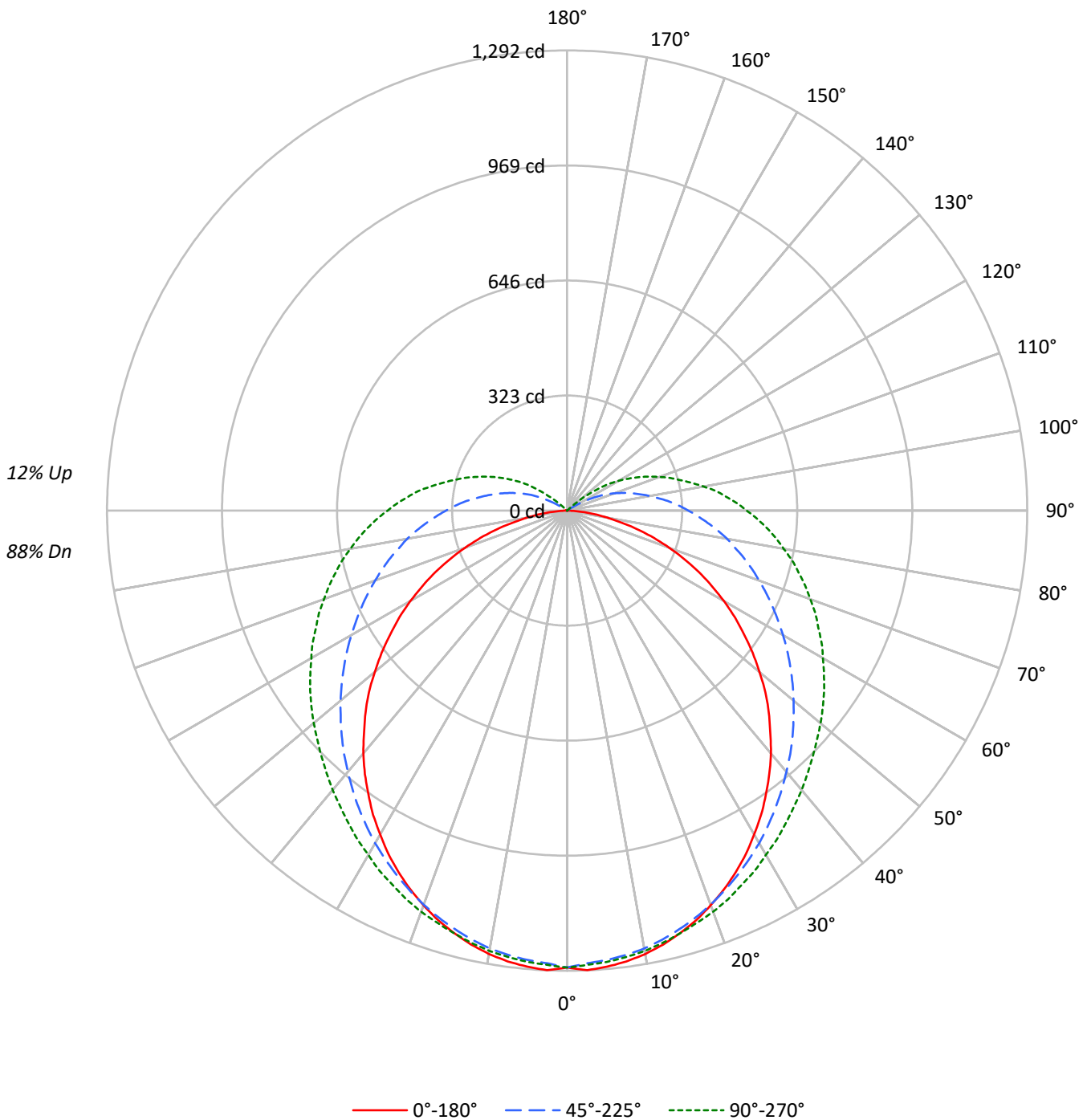
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	82853	82853	82853
5°	83042	65694	61091
10°	82288	54442	48270
15°	81173	46074	39637
20°	79820	39670	33540
25°	78310	34532	28835
30°	76471	30347	25153
35°	74546	26788	22216
40°	72507	23759	19825
45°	70180	21187	17825
50°	67502	18930	16178
55°	64401	16942	14773
60°	61224	15192	13513
65°	57179	13627	12415
70°	51677	12236	11446
75°	44442	10986	10540
80°	34295	9860	9696
85°	20680	8718	8926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	2.4
10°-20°	345.8	6.8
20°-30°	524.4	10.3
30°-40°	639.9	12.5
40°-50°	689.2	13.5
50°-60°	676.9	13.3
60°-70°	611.6	12.0
70°-80°	509.2	10.0
80°-90°	390.5	7.7
90°-100°	282.8	5.5
100°-110°	182.7	3.6
110°-120°	98.4	1.9
120°-130°	31.1	0.6
130°-140°	1.2	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	991.3	19.4
0°-40°	1631.3	32.0
0°-60°	2997.4	58.7
0°-90°	4508.8	88.3
90°-120°	563.9	11.0
90°-150°	596.2	11.7
90°-180°	596.0	11.7
0°-180°	5105.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1283	1283	1283	1283	1283	
5°	1286	1281	1267	1276	1272	122
15°	1228	1225	1217	1230	1228	346
25°	1120	1122	1130	1155	1159	516
35°	973	986	1020	1060	1071	609
45°	800	831	895	954	976	617
55°	606	666	765	850	881	543
65°	408	496	636	742	778	402
75°	206	342	514	632	673	218
85°	41	209	396	520	563	49
90°	1	157	340	462	504	2
95°	3	114	288	408	448	2
105°	3	40	188	294	330	3
115°	2	2	94	187	222	2
125°	1	1	1	75	107	1
135°	0	0	0	0	0	0
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°	1282.9	1282.9	1282.9	1282.9	1282.9
2.5°	1291.7	1286.3	1272.1	1280.9	1276.8
5°	1285.6	1280.9	1266.7	1276.1	1272.1
7.5°	1276.8	1272.1	1258.6	1268.0	1264.7
10°	1264.0	1259.3	1248.5	1257.9	1255.2
12.5°	1247.8	1244.4	1234.3	1245.8	1243.1
15°	1227.6	1224.9	1216.8	1230.3	1228.2
17.5°	1206.0	1203.3	1198.5	1212.7	1213.4
20°	1179.0	1178.3	1177.6	1195.8	1198.5
22.5°	1151.3	1152.0	1154.7	1176.9	1181.0
25°	1120.3	1121.6	1130.4	1154.7	1159.4
27.5°	1087.2	1091.9	1104.7	1133.1	1140.5
30°	1050.1	1058.2	1078.4	1108.1	1116.2
32.5°	1013.6	1022.4	1049.4	1084.5	1095.3
35°	973.1	986.0	1019.7	1060.2	1071.0
37.5°	932.6	947.5	989.3	1033.2	1046.7
40°	890.1	909.7	957.6	1006.9	1024.4
42.5°	844.2	871.9	927.2	979.9	999.5
45°	800.4	830.7	894.9	953.6	975.8
47.5°	755.2	791.6	862.5	927.9	951.5
50°	705.2	749.1	830.1	902.3	928.6
52.5°	656.6	708.6	797.7	876.0	905.0
55°	606.0	666.1	764.6	849.6	880.7
57.5°	558.8	622.9	732.9	822.0	855.0
60°	508.2	581.0	699.8	796.3	829.4
62.5°	456.9	539.2	667.4	768.7	805.8
65°	407.6	496.0	635.7	742.3	778.1
67.5°	355.0	456.9	604.7	714.0	754.5
70°	305.0	416.4	573.6	687.0	726.8
72.5°	255.1	377.2	543.3	660.0	700.5
75°	205.8	341.5	513.6	632.3	672.8
77.5°	156.6	303.7	483.2	604.7	647.2
80°	114.0	270.6	456.2	576.3	617.5
82.5°	77.6	239.6	425.8	549.3	591.2
85°	41.2	209.2	396.1	519.6	562.8
87.5°	12.1	182.2	367.1	490.6	533.8
90°	1.3	157.2	340.1	462.3	504.1
92.5°	2.0	135.6	314.5	436.6	477.1
95°	2.7	114.0	288.2	408.3	448.1
97.5°	2.7	95.2	261.2	379.3	421.8
100°	2.7	76.9	235.5	349.6	388.7
102.5°	2.7	60.1	211.2	319.9	358.3
105°	2.7	40.5	187.6	293.6	330.0
107.5°	2.7	20.2	164.7	267.9	303.7
110°	2.7	4.0	141.7	241.6	276.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	2.7	119.4	213.9	249.0
115°	2.0	2.0	94.5	186.9	222.0
117.5°	2.0	2.0	67.5	162.0	193.7
120°	2.0	1.3	39.1	135.6	167.4
122.5°	1.3	1.3	12.8	105.3	139.7
125°	1.3	0.7	0.7	74.9	106.6
127.5°	1.3	0.7	0.0	41.8	72.2
130°	1.3	0.7	0.0	12.1	41.2
132.5°	1.3	0.7	0.0	0.0	8.8
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)