

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: P289759

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-TS-60-L950-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE SMOOTH LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5169.2 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

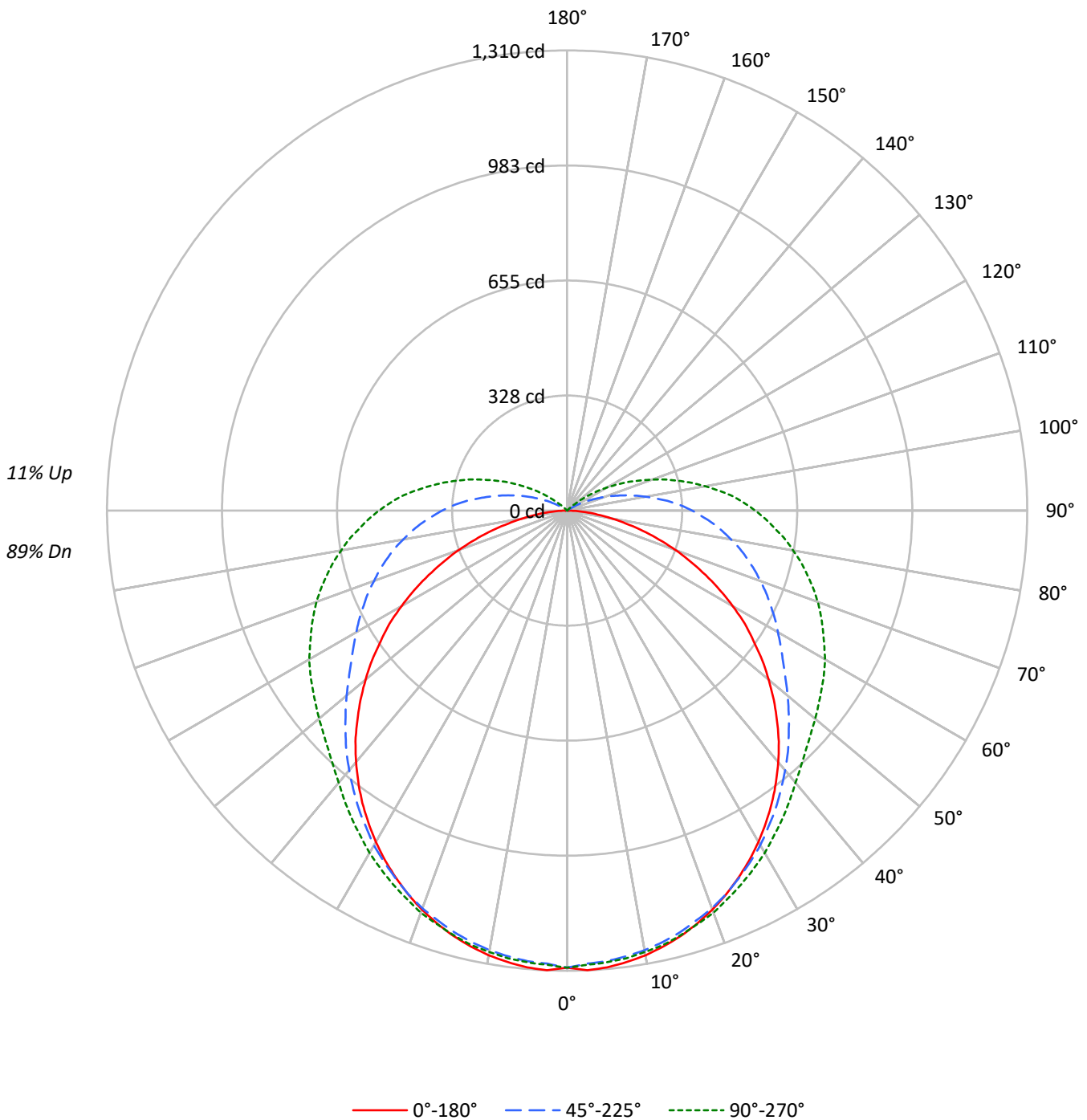
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	92	92	92	89
1	103	97	91	87	99	94	89	84	87	83	79	81	78	75	76	73	71	68
2	93	83	75	68	89	80	73	67	75	68	63	70	65	60	65	61	57	54
3	84	72	63	56	80	69	61	54	65	58	52	61	55	50	57	52	47	45
4	76	63	54	46	73	61	52	45	57	50	44	53	47	42	50	45	40	37
5	70	56	47	39	67	54	45	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	41	35	30	28
7	60	46	36	30	57	44	36	29	42	34	28	39	33	28	37	31	27	24
8	56	41	33	27	53	40	32	26	38	31	25	36	29	25	34	28	24	22
9	52	38	29	24	50	37	29	23	35	28	23	33	27	22	31	26	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°	84029	84029	84029
5°	84302	66778	61999
10°	83694	55410	49074
15°	82865	47044	40379
20°	81823	40603	34089
25°	80617	35293	29188
30°	79318	30955	25351
35°	77855	27195	22187
40°	76140	23942	19577
45°	74081	21120	17567
50°	71704	18684	16060
55°	68854	16628	14840
60°	65609	15046	13809
65°	61065	13700	12823
70°	55675	12481	11957
75°	48243	11360	11090
80°	38777	10253	10257
85°	26403	9165	9429



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	2.4
10°-20°	352.7	6.8
20°-30°	535.5	10.4
30°-40°	651.0	12.6
40°-50°	694.8	13.4
50°-60°	681.4	13.2
60°-70°	622.5	12.0
70°-80°	528.3	10.2
80°-90°	411.1	8.0
90°-100°	289.9	5.6
100°-110°	172.3	3.3
110°-120°	81.6	1.6
120°-130°	23.6	0.5
130°-140°	1.4	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°	1011.3	19.6
0°-40°	1662.3	32.2
0°-60°	3038.4	58.8
0°-90°	4600.4	89.0
90°-120°	543.8	10.5
90°-150°	568.7	11.0
90°-180°	569.0	11.0
0°-180°	5169.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1301	1301	1301	1301	1301	
5°	1305	1300	1288	1295	1291	124
15°	1253	1250	1242	1253	1251	353
25°	1153	1154	1155	1174	1174	532
35°	1016	1022	1035	1061	1070	635
45°	845	859	892	939	962	652
55°	648	676	750	848	885	580
65°	435	491	639	761	804	431
75°	223	339	531	663	708	237
85°	53	216	416	549	594	59
90°	4	160	356	489	535	5
95°	4	107	294	424	473	3
105°	3	29	167	284	327	4
115°	3	3	68	156	193	3
125°	2	1	3	52	76	2
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°	1301.1	1301.1	1301.1	1301.1	1301.1
2.5°	1309.9	1305.1	1291.0	1298.4	1294.4
5°	1305.1	1300.4	1287.6	1295.0	1291.0
7.5°	1296.4	1293.0	1280.2	1288.3	1285.6
10°	1285.6	1282.2	1270.7	1280.2	1276.1
12.5°	1270.7	1267.4	1257.9	1267.4	1266.0
15°	1253.2	1250.5	1242.4	1253.2	1251.2
17.5°	1232.3	1230.2	1223.5	1237.0	1234.3
20°	1208.6	1207.3	1205.3	1217.4	1218.1
22.5°	1183.0	1183.0	1181.7	1195.1	1195.8
25°	1153.3	1154.0	1155.3	1173.6	1173.6
27.5°	1122.9	1125.0	1128.3	1145.9	1149.9
30°	1089.2	1092.6	1100.0	1118.9	1125.0
32.5°	1053.4	1058.8	1066.9	1090.5	1096.6
35°	1016.3	1021.7	1035.2	1060.9	1069.6
37.5°	976.5	982.6	1000.1	1029.1	1040.6
40°	934.7	941.4	965.0	1001.5	1011.6
42.5°	892.1	901.6	930.6	969.8	985.3
45°	844.9	859.1	892.1	939.4	961.7
47.5°	797.7	814.5	855.7	913.7	940.7
50°	749.1	768.0	819.3	890.8	921.8
52.5°	700.5	721.4	783.5	869.2	902.9
55°	647.9	675.5	750.4	848.3	884.7
57.5°	599.3	629.0	720.7	827.4	867.2
60°	544.6	582.4	693.1	805.8	847.6
62.5°	490.6	535.8	666.7	783.5	824.7
65°	435.3	491.3	639.1	761.2	803.7
67.5°	380.6	446.1	613.4	738.3	782.1
70°	328.6	406.9	585.1	714.7	759.2
72.5°	274.0	372.5	558.8	689.7	734.2
75°	223.4	338.8	531.1	662.7	707.9
77.5°	172.1	307.1	504.1	635.7	682.3
80°	128.9	277.4	474.4	607.4	653.2
82.5°	87.7	247.7	445.4	578.3	626.3
85°	52.6	216.0	416.4	548.6	594.5
87.5°	23.6	188.3	384.7	518.3	566.2
90°	4.0	159.9	355.6	489.3	535.2
92.5°	4.7	134.3	325.9	458.2	504.1
95°	4.0	107.3	293.6	423.8	473.1
97.5°	4.0	84.4	259.1	390.1	435.3
100°	3.4	62.8	226.1	354.3	398.8
102.5°	3.4	44.5	196.4	319.2	363.7
105°	3.4	29.0	167.4	284.1	327.3
107.5°	3.4	16.2	139.0	250.4	294.2
110°	3.4	6.1	113.4	220.0	256.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	2.7	88.4	186.3	224.0
115°	2.7	2.7	68.2	155.9	193.0
117.5°	2.7	2.0	46.6	127.5	161.3
120°	2.7	2.0	29.0	101.9	130.9
122.5°	2.0	1.3	14.2	75.6	104.6
125°	2.0	1.3	3.4	52.0	76.3
127.5°	2.0	0.7	0.0	31.0	52.6
130°	1.3	0.7	0.0	14.8	31.0
132.5°	1.3	0.7	0.0	2.7	13.5
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)