

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: P289783

Luminaire Tested: **8SSRK-TS-50-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289783
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: 8SSRK-TS-50-L950-CD1-U
Description: 5000 LUMEN, 8 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: 4263.8 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.29 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

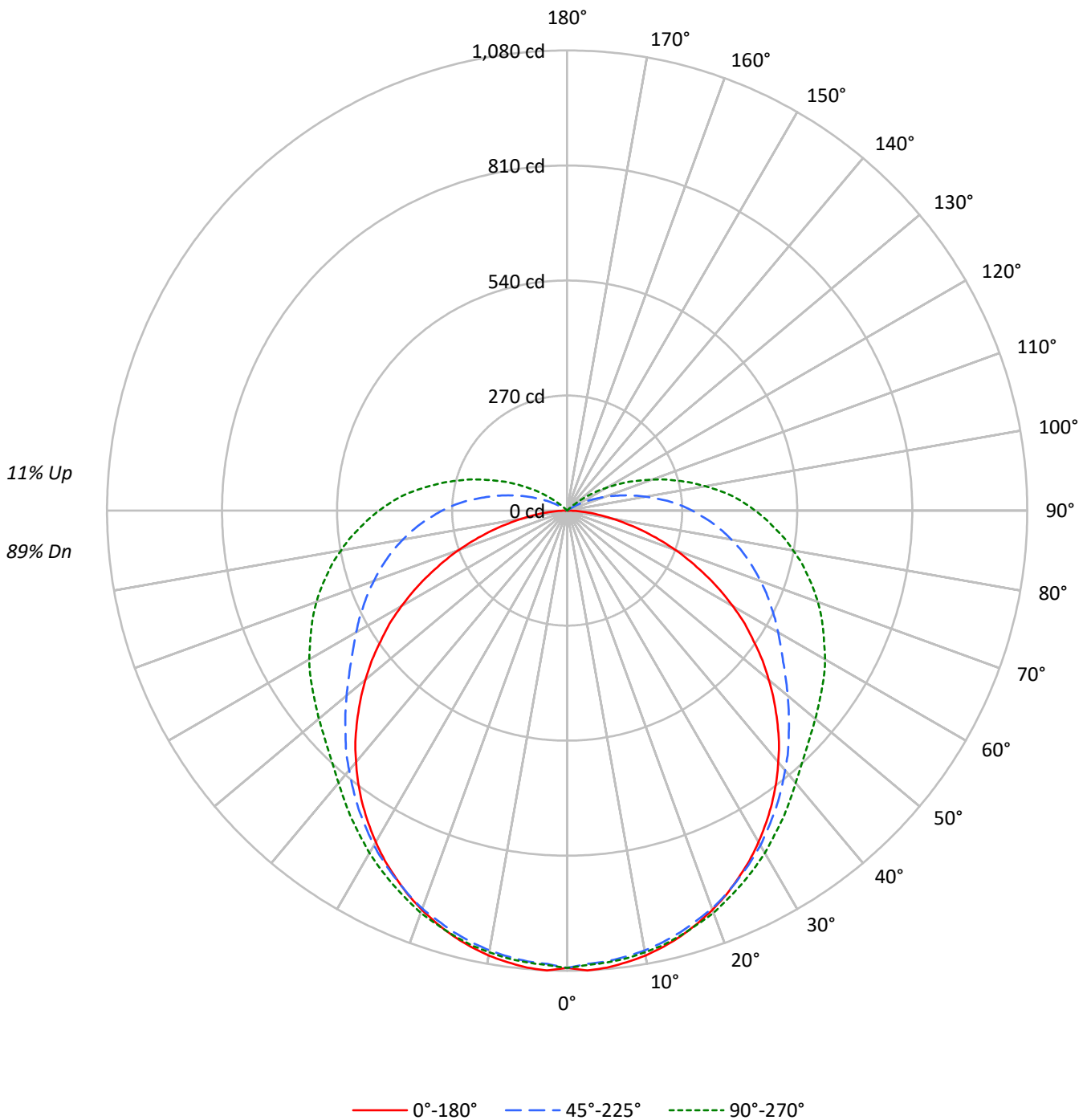
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	34655	34655	34655
5°	34834	27570	25570
10°	34643	22893	20239
15°	34365	19446	16652
20°	34003	16790	14060
25°	33568	14599	12037
30°	33101	12807	10455
35°	32571	11255	9151
40°	31942	9911	8074
45°	31176	8745	7245
50°	30289	7736	6624
55°	29217	6887	6121
60°	28000	6232	5696
65°	26257	5675	5289
70°	24210	5171	4931
75°	21335	4708	4574
80°	17679	4249	4230
85°	12987	3799	3889



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	2.4
10°-20°	290.9	6.8
20°-30°	441.7	10.4
30°-40°	537.0	12.6
40°-50°	573.1	13.4
50°-60°	562.0	13.2
60°-70°	513.5	12.0
70°-80°	435.8	10.2
80°-90°	339.1	8.0
90°-100°	239.1	5.6
100°-110°	142.1	3.3
110°-120°	67.3	1.6
120°-130°	19.5	0.5
130°-140°	1.1	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°	834.2	19.6
0°-40°	1371.2	32.2
0°-60°	2506.3	58.8
0°-90°	3794.7	89.0
90°-120°	448.5	10.5
90°-150°	469.1	11.0
90°-180°	469.0	11.0
0°-180°	4263.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1073	1073	1073	1073	1073	
5°	1077	1073	1062	1068	1065	102
15°	1034	1032	1025	1034	1032	292
25°	951	952	953	968	968	439
35°	838	843	854	875	882	524
45°	697	709	736	775	793	538
55°	534	557	619	700	730	479
65°	359	405	527	628	663	356
75°	184	279	438	547	584	195
85°	43	178	344	453	490	49
90°	3	132	293	404	441	4
95°	3	88	242	350	390	3
105°	3	24	138	234	270	3
115°	2	2	56	129	159	2
125°	2	1	3	43	63	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°	1073.2	1073.2	1073.2	1073.2	1073.2
2.5°	1080.5	1076.6	1064.9	1071.0	1067.7
5°	1076.6	1072.7	1062.1	1068.2	1064.9
7.5°	1069.3	1066.5	1056.0	1062.6	1060.4
10°	1060.4	1057.6	1048.2	1056.0	1052.6
12.5°	1048.2	1045.4	1037.6	1045.4	1044.3
15°	1033.7	1031.5	1024.8	1033.7	1032.0
17.5°	1016.4	1014.8	1009.2	1020.3	1018.1
20°	997.0	995.8	994.2	1004.2	1004.8
22.5°	975.8	975.8	974.7	985.8	986.4
25°	951.3	951.9	953.0	968.0	968.0
27.5°	926.3	927.9	930.7	945.2	948.5
30°	898.4	901.2	907.3	922.9	927.9
32.5°	868.9	873.4	880.1	899.5	904.6
35°	838.3	842.8	853.9	875.1	882.3
37.5°	805.5	810.5	825.0	848.9	858.4
40°	771.0	776.5	796.0	826.1	834.4
42.5°	735.9	743.7	767.6	799.9	812.7
45°	696.9	708.6	735.9	774.9	793.2
47.5°	658.0	671.9	705.8	753.7	776.0
50°	617.9	633.5	675.8	734.8	760.4
52.5°	577.8	595.1	646.3	717.0	744.8
55°	534.4	557.2	619.0	699.7	729.8
57.5°	494.3	518.8	594.5	682.5	715.3
60°	449.2	480.4	571.7	664.6	699.2
62.5°	404.7	442.0	550.0	646.3	680.2
65°	359.0	405.2	527.1	627.9	663.0
67.5°	314.0	367.9	506.0	609.0	645.2
70°	271.1	335.7	482.6	589.5	626.2
72.5°	226.0	307.3	460.9	568.9	605.6
75°	184.3	279.4	438.1	546.6	583.9
77.5°	141.9	253.3	415.8	524.4	562.8
80°	106.3	228.8	391.3	501.0	538.8
82.5°	72.4	204.3	367.4	477.0	516.6
85°	43.4	178.1	343.5	452.6	490.4
87.5°	19.5	155.3	317.3	427.5	467.0
90°	3.3	131.9	293.4	403.6	441.4
92.5°	3.9	110.8	268.9	378.0	415.8
95°	3.3	88.5	242.1	349.6	390.2
97.5°	3.3	69.6	213.8	321.7	359.0
100°	2.8	51.8	186.5	292.2	329.0
102.5°	2.8	36.7	162.0	263.3	300.0
105°	2.8	23.9	138.0	234.3	270.0
107.5°	2.8	13.4	114.7	206.5	242.7
110°	2.8	5.0	93.5	181.5	211.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	2.2	72.9	153.6	184.8
115°	2.2	2.2	56.2	128.6	159.2
117.5°	2.2	1.7	38.4	105.2	133.0
120°	2.2	1.7	23.9	84.1	108.0
122.5°	1.7	1.1	11.7	62.3	86.3
125°	1.7	1.1	2.8	42.9	62.9
127.5°	1.7	0.6	0.0	25.6	43.4
130°	1.1	0.6	0.0	12.2	25.6
132.5°	1.1	0.6	0.0	2.2	11.1
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)