

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: P289643

Luminaire Tested: **4SSRK-TB-40-L950-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P289643  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-1)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SSRK-TB-40-L950-CD1-U  
Description: 4000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 5000K CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3579.7 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24  
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')  
CIE Type: Direct

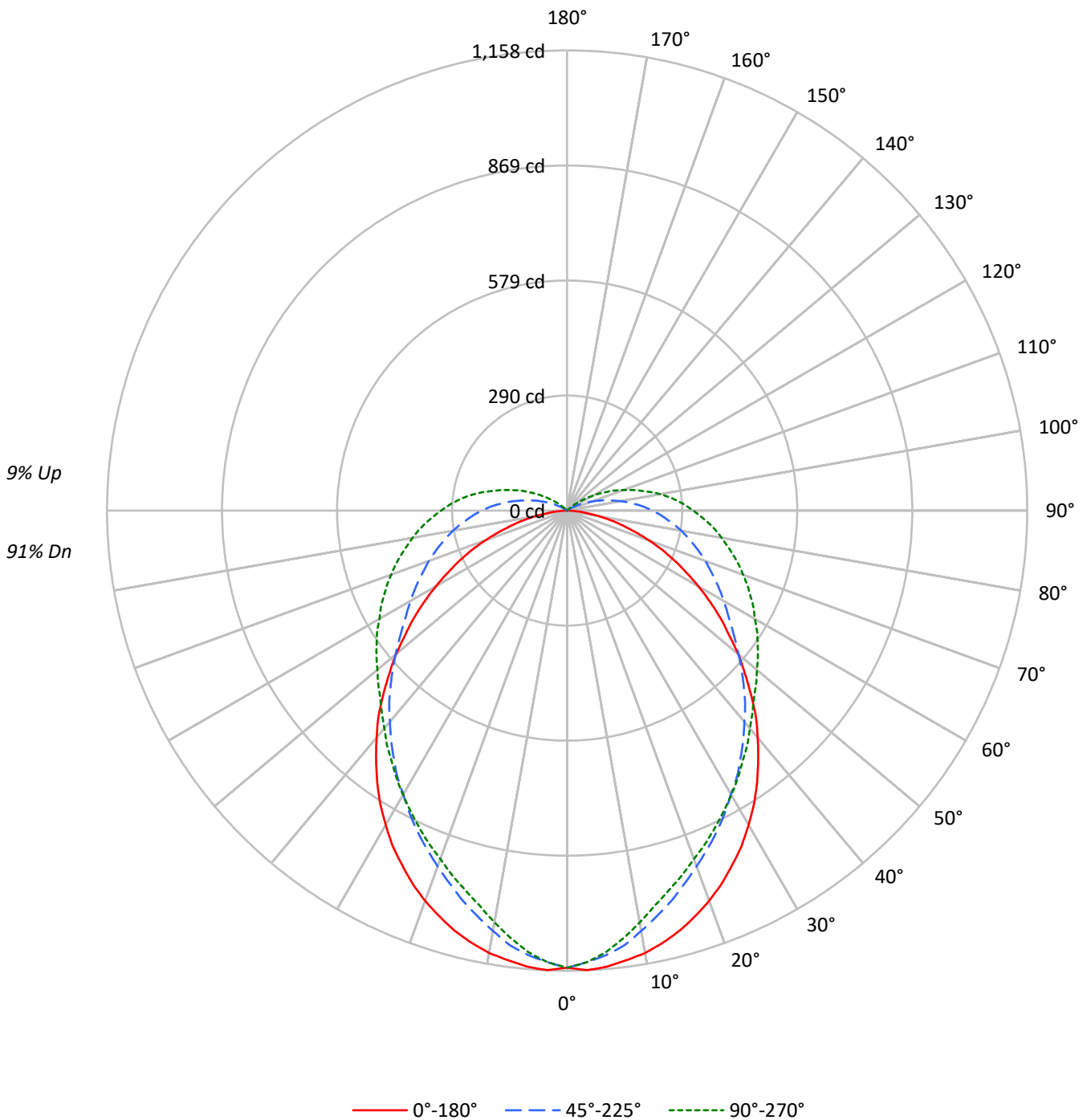
Input Watts (W): 27.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	91
1	104	98	93	89	100	95	90	86	89	85	82		84	80	78		78	76	74	71
2	94	85	77	71	90	82	75	69	77	71	66		72	67	63		68	64	60	58
3	85	74	65	58	82	72	64	57	67	60	55		63	58	53		60	55	51	48
4	78	65	56	49	75	63	55	48	60	52	47		56	50	45		53	48	43	41
5	72	58	49	42	69	57	48	41	53	46	40		50	44	39		48	42	38	35
6	66	53	43	37	64	51	42	36	48	41	35		46	39	34		43	38	33	31
7	61	48	39	32	59	46	38	32	44	37	31		42	35	30		40	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28		38	32	27		36	31	26	24
9	54	40	32	26	52	39	31	26	37	30	25		35	29	24		34	28	24	22
10	50	37	29	24	48	36	28	23	34	28	23		33	27	22		31	26	22	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	74290	74290	74290
5°	74419	58247	53590
10°	73590	46841	40475
15°	72345	38479	31920
20°	70761	32097	26107
25°	68755	27228	21896
30°	66487	23194	18613
35°	63836	19987	15970
40°	60793	17214	13847
45°	57334	14882	12144
50°	53756	12848	10857
55°	50055	11159	9815
60°	46044	9871	8884
65°	41930	8815	8121
70°	37139	7882	7418
75°	31291	7052	6782
80°	24518	6305	6201
85°	15460	5542	5661



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.5	3.0
10°-20°	290.3	8.1
20°-30°	419.9	11.7
30°-40°	488.5	13.6
40°-50°	497.2	13.9
50°-60°	462.7	12.9
60°-70°	402.9	11.3
70°-80°	328.0	9.2
80°-90°	248.4	6.9
90°-100°	172.3	4.8
100°-110°	101.2	2.8
110°-120°	47.5	1.3
120°-130°	13.5	0.4
130°-140°	0.7	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°	816.7	22.8
0°-40°	1305.2	36.5
0°-60°	2265.1	63.3
0°-90°	3244.4	90.6
90°-120°	321.0	9.0
90°-150°	335.3	9.4
90°-180°	335.0	9.4
0°-180°	3579.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1150	1150	1150	1150	1150	
5°	1152	1143	1123	1123	1116	109
15°	1094	1065	1016	998	989	308
25°	984	940	891	884	880	453
35°	833	790	761	768	770	521
45°	654	629	629	654	665	505
55°	471	469	504	563	585	420
65°	299	324	411	484	509	296
75°	145	212	330	406	433	155
85°	31	132	252	332	357	35
90°	0	96	214	292	317	2
95°	0	62	176	254	279	0
105°	0	14	100	168	192	0
115°	0	0	40	92	112	0
125°	0	0	2	31	45	0
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°	2	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°	1150.3	1150.3	1150.3	1150.3	1150.3
2.5°	1157.5	1152.1	1137.6	1143.1	1137.6
5°	1152.1	1143.1	1123.1	1123.1	1115.9
7.5°	1141.2	1130.4	1103.2	1094.1	1085.1
10°	1130.4	1114.1	1074.2	1063.3	1052.5
12.5°	1114.1	1090.5	1045.2	1028.9	1018.1
15°	1094.1	1065.2	1016.2	998.1	989.1
17.5°	1070.6	1038.0	983.6	969.1	961.9
20°	1045.2	1007.2	952.8	940.2	932.9
22.5°	1016.2	972.8	922.0	913.0	907.6
25°	983.6	940.2	891.3	884.0	880.4
27.5°	951.0	903.9	858.6	855.0	853.2
30°	913.0	867.7	824.2	826.0	826.0
32.5°	875.0	829.7	795.2	798.9	798.9
35°	833.3	789.8	760.8	768.1	769.9
37.5°	789.8	751.8	728.2	739.1	744.5
40°	746.3	711.9	693.8	710.1	715.5
42.5°	702.9	670.3	663.0	682.9	690.2
45°	653.9	628.6	628.6	653.9	664.8
47.5°	606.8	590.5	596.0	628.6	644.9
50°	561.6	548.9	563.4	605.0	623.2
52.5°	512.7	509.0	532.6	583.3	605.0
55°	471.0	469.2	503.6	563.4	585.1
57.5°	425.7	431.1	478.2	543.4	567.0
60°	382.2	393.1	454.7	523.5	545.3
62.5°	338.7	360.5	432.9	503.6	529.0
65°	298.9	324.3	411.2	483.7	509.0
67.5°	259.0	291.7	389.5	465.6	490.9
70°	219.2	262.7	369.5	445.6	471.0
72.5°	179.3	237.3	349.6	425.7	452.9
75°	144.9	211.9	329.7	405.8	432.9
77.5°	112.3	192.0	309.8	389.5	413.0
80°	81.5	170.3	291.7	369.5	394.9
82.5°	52.5	152.2	271.7	349.6	376.8
85°	30.8	132.2	251.8	331.5	356.9
87.5°	12.7	112.3	233.7	311.6	336.9
90°	0.0	96.0	213.8	291.7	317.0
92.5°	0.0	79.7	195.6	273.5	298.9
95°	0.0	61.6	175.7	253.6	279.0
97.5°	0.0	47.1	155.8	233.7	259.0
100°	0.0	36.2	135.9	210.1	237.3
102.5°	0.0	25.4	115.9	188.4	215.6
105°	0.0	14.5	99.6	168.5	192.0
107.5°	0.0	7.2	83.3	148.5	172.1
110°	0.0	1.8	67.0	128.6	150.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	52.5	110.5	132.2
115°	0.0	0.0	39.9	92.4	112.3
117.5°	0.0	0.0	27.2	76.1	94.2
120°	0.0	0.0	16.3	59.8	76.1
122.5°	0.0	0.0	7.2	45.3	59.8
125°	0.0	0.0	1.8	30.8	45.3
127.5°	0.0	0.0	0.0	18.1	30.8
130°	0.0	0.0	0.0	9.1	18.1
132.5°	0.0	0.0	0.0	1.8	7.2
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°	1.8	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)