

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: P289751

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289751
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-40-L950-CD1-U
Description: 4000 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: 3409.2 lumens
Efficiency: N/A
Efficacy: 123.1 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

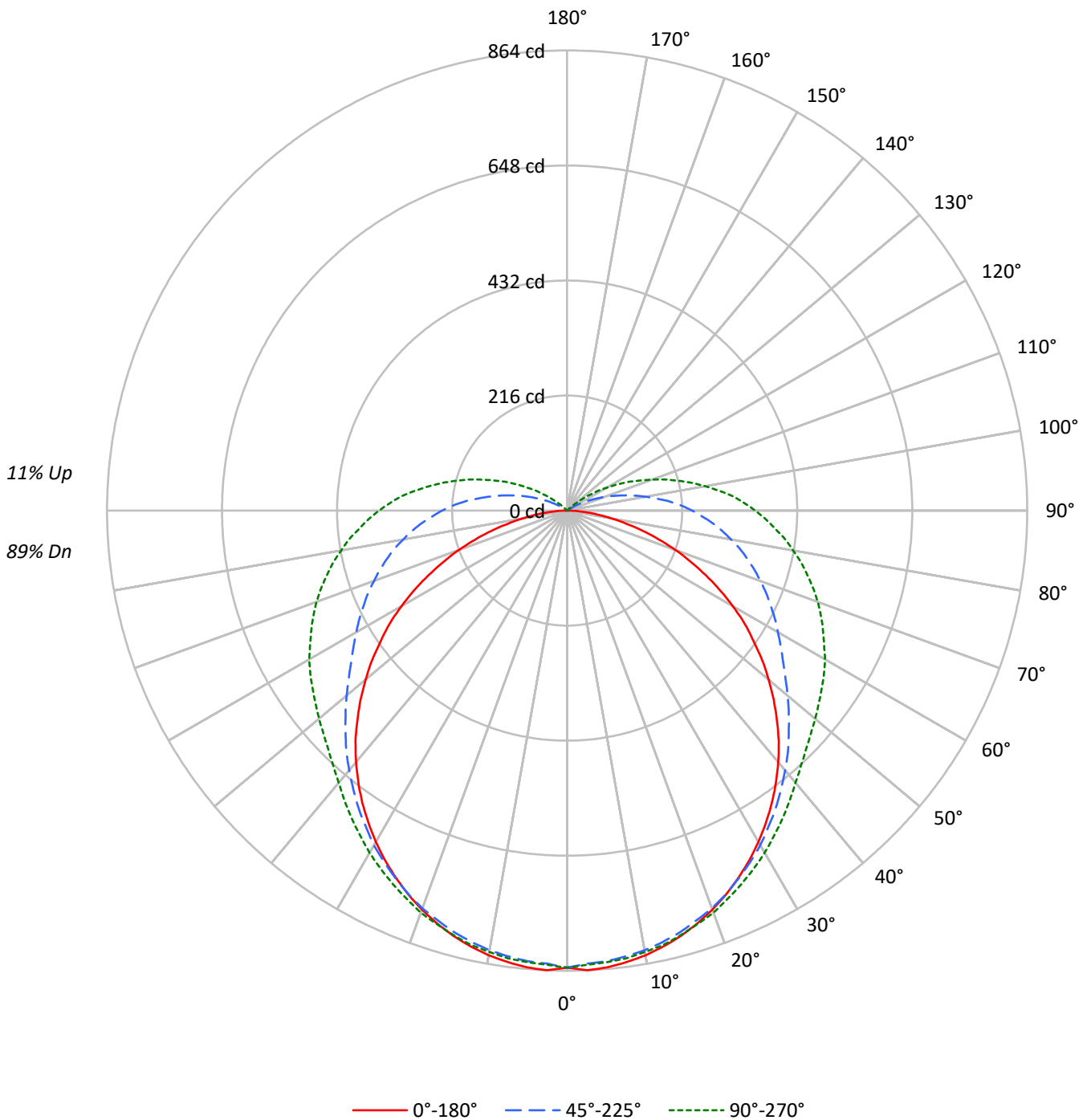
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	55419	55419	55419
5°	55603	44042	40887
10°	55199	36546	32365
15°	54651	31027	26631
20°	53965	26778	22483
25°	53167	23278	19250
30°	52315	20416	16718
35°	51349	17938	14634
40°	50211	15792	12912
45°	48856	13930	11585
50°	47286	12321	10593
55°	45410	10966	9788
60°	43273	9923	9107
65°	40275	9036	8458
70°	36733	8232	7886
75°	31809	7493	7314
80°	25571	6763	6765
85°	17418	6044	6219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	2.4
10°-20°	232.6	6.8
20°-30°	353.2	10.4
30°-40°	429.3	12.6
40°-50°	458.2	13.4
50°-60°	449.4	13.2
60°-70°	410.6	12.0
70°-80°	348.4	10.2
80°-90°	271.1	8.0
90°-100°	191.2	5.6
100°-110°	113.6	3.3
110°-120°	53.8	1.6
120°-130°	15.6	0.5
130°-140°	0.9	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°	667.0	19.6
0°-40°	1096.3	32.2
0°-60°	2003.9	58.8
0°-90°	3034.1	89.0
90°-120°	358.6	10.5
90°-150°	375.1	11.0
90°-180°	375.0	11.0
0°-180°	3409.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	861	858	849	854	851	82
15°	826	825	819	826	825	233
25°	761	761	762	774	774	351
35°	670	674	683	700	706	419
45°	557	567	588	620	634	430
55°	427	446	495	560	584	383
65°	287	324	422	502	530	284
75°	147	223	350	437	467	156
85°	35	142	275	362	392	39
90°	3	106	235	323	353	3
95°	3	71	194	280	312	2
105°	2	19	110	187	216	2
115°	2	2	45	103	127	2
125°	1	1	2	34	50	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°	858.1	858.1	858.1	858.1	858.1
2.5°	863.9	860.8	851.4	856.3	853.7
5°	860.8	857.7	849.2	854.1	851.4
7.5°	855.0	852.8	844.3	849.7	847.9
10°	847.9	845.6	838.1	844.3	841.6
12.5°	838.1	835.9	829.6	835.9	835.0
15°	826.5	824.7	819.4	826.5	825.2
17.5°	812.7	811.4	806.9	815.8	814.0
20°	797.1	796.2	794.9	802.9	803.4
22.5°	780.2	780.2	779.3	788.2	788.7
25°	760.6	761.1	762.0	774.0	774.0
27.5°	740.6	741.9	744.2	755.7	758.4
30°	718.4	720.6	725.5	737.9	741.9
32.5°	694.8	698.3	703.7	719.2	723.3
35°	670.3	673.8	682.8	699.7	705.5
37.5°	644.0	648.0	659.6	678.7	686.3
40°	616.4	620.9	636.5	660.5	667.2
42.5°	588.4	594.6	613.8	639.6	649.8
45°	557.2	566.6	588.4	619.5	634.2
47.5°	526.1	537.2	564.4	602.6	620.4
50°	494.0	506.5	540.3	587.5	608.0
52.5°	462.0	475.8	516.7	573.3	595.5
55°	427.3	445.5	494.9	559.5	583.5
57.5°	395.2	414.8	475.3	545.7	571.9
60°	359.2	384.1	457.1	531.4	559.0
62.5°	323.6	353.4	439.7	516.7	543.9
65°	287.1	324.0	421.5	502.0	530.1
67.5°	251.0	294.2	404.6	486.9	515.8
70°	216.8	268.4	385.9	471.3	500.7
72.5°	180.7	245.7	368.5	454.9	484.2
75°	147.3	223.4	350.3	437.1	466.9
77.5°	113.5	202.5	332.5	419.3	450.0
80°	85.0	182.9	312.9	400.6	430.8
82.5°	57.9	163.3	293.8	381.4	413.0
85°	34.7	142.4	274.6	361.8	392.1
87.5°	15.6	124.2	253.7	341.8	373.4
90°	2.7	105.5	234.6	322.7	352.9
92.5°	3.1	88.6	215.0	302.2	332.5
95°	2.7	70.8	193.6	279.5	312.0
97.5°	2.7	55.6	170.9	257.3	287.1
100°	2.2	41.4	149.1	233.7	263.0
102.5°	2.2	29.4	129.5	210.5	239.9
105°	2.2	19.1	110.4	187.4	215.9
107.5°	2.2	10.7	91.7	165.1	194.1
110°	2.2	4.0	74.8	145.1	169.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	1.8	58.3	122.8	147.8
115°	1.8	1.8	45.0	102.8	127.3
117.5°	1.8	1.3	30.7	84.1	106.4
120°	1.8	1.3	19.1	67.2	86.3
122.5°	1.3	0.9	9.3	49.8	69.0
125°	1.3	0.9	2.2	34.3	50.3
127.5°	1.3	0.4	0.0	20.5	34.7
130°	0.9	0.4	0.0	9.8	20.5
132.5°	0.9	0.4	0.0	1.8	8.9
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)