

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: P289775

Luminaire Tested: **8SSRK-TS-40-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289775
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-40-L950-CD1-U
Description: 4000 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: 3386.9 lumens
Efficiency: N/A
Efficacy: 125.4 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

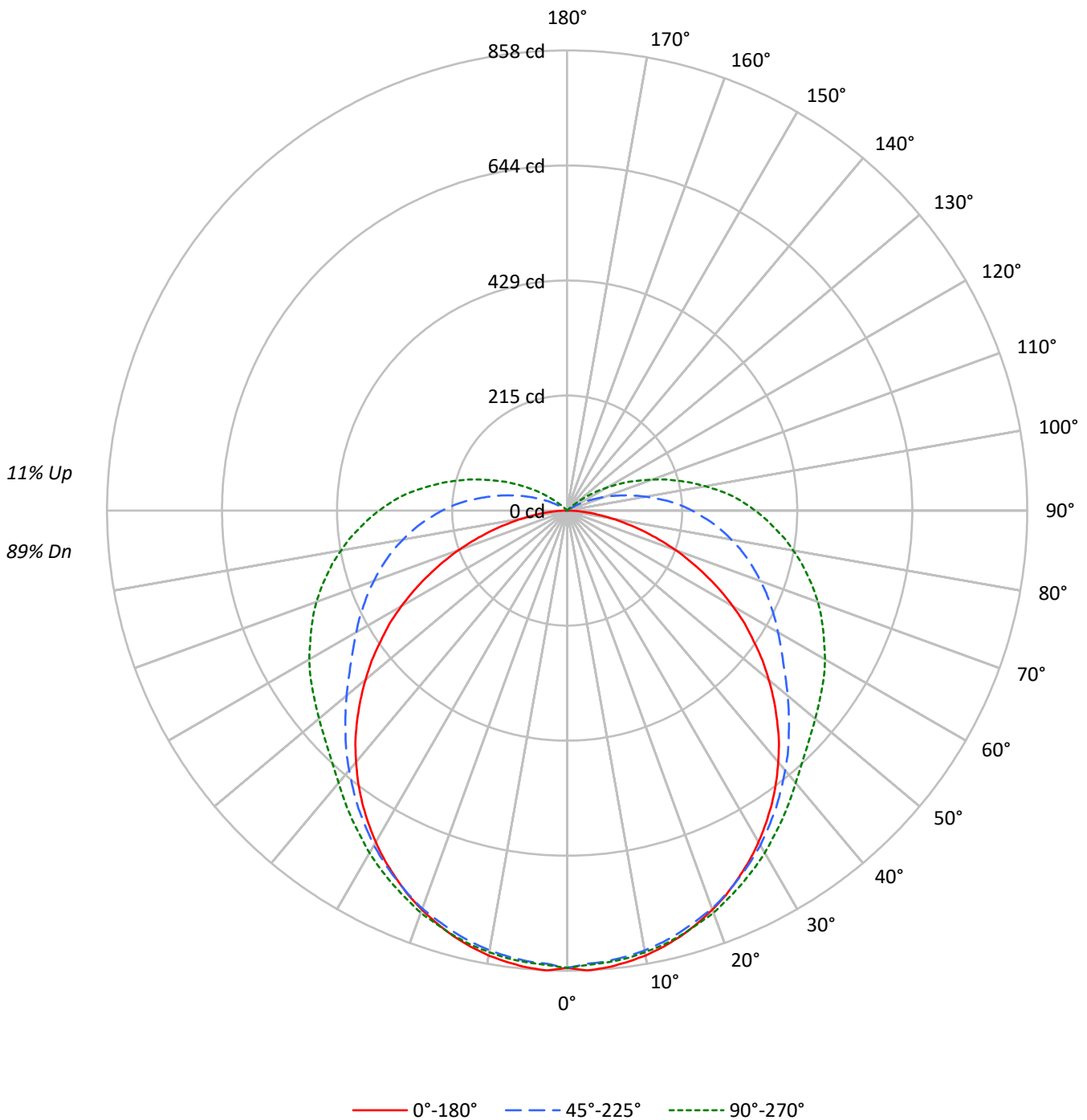
Input Watts (W): 27.0151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	27528	27528	27528
5°	27671	21901	20312
10°	27518	18184	16077
15°	27297	15446	13228
20°	27008	13336	11167
25°	26666	11597	9561
30°	26295	10173	8305
35°	25873	8940	7268
40°	25371	7872	6413
45°	24765	6945	5755
50°	24059	6145	5261
55°	23208	5470	4862
60°	22241	4950	4524
65°	20860	4508	4201
70°	19227	4108	3917
75°	16948	3739	3633
80°	14053	3375	3360
85°	10324	3017	3090



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	2.4
10°-20°	231.1	6.8
20°-30°	350.9	10.4
30°-40°	426.5	12.6
40°-50°	455.2	13.4
50°-60°	446.4	13.2
60°-70°	407.9	12.0
70°-80°	346.2	10.2
80°-90°	269.4	8.0
90°-100°	189.9	5.6
100°-110°	112.9	3.3
110°-120°	53.4	1.6
120°-130°	15.5	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°	662.6	19.6
0°-40°	1089.2	32.2
0°-60°	1990.8	58.8
0°-90°	3014.3	89.0
90°-120°	356.3	10.5
90°-150°	372.6	11.0
90°-180°	373.0	11.0
0°-180°	3386.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	852	852	852	852	852	
5°	855	852	844	848	846	81
15°	821	819	814	821	820	232
25°	756	756	757	769	769	348
35°	666	669	678	695	701	416
45°	554	563	584	616	630	427
55°	424	443	492	556	580	380
65°	285	322	419	499	527	283
75°	146	222	348	434	464	155
85°	34	142	273	360	390	39
90°	3	105	233	321	351	3
95°	3	70	192	278	310	2
105°	2	19	110	186	214	2
115°	2	2	45	102	126	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°	852.5	852.5	852.5	852.5	852.5
2.5°	858.3	855.2	845.9	850.7	848.1
5°	855.2	852.1	843.7	848.5	845.9
7.5°	849.4	847.2	838.8	844.1	842.3
10°	842.3	840.1	832.6	838.8	836.1
12.5°	832.6	830.4	824.2	830.4	829.5
15°	821.1	819.3	814.0	821.1	819.8
17.5°	807.4	806.1	801.7	810.5	808.7
20°	791.9	791.0	789.7	797.7	798.1
22.5°	775.1	775.1	774.2	783.1	783.5
25°	755.7	756.1	757.0	768.9	768.9
27.5°	735.8	737.1	739.3	750.8	753.5
30°	713.7	715.9	720.7	733.1	737.1
32.5°	690.2	693.8	699.1	714.5	718.5
35°	665.9	669.4	678.3	695.1	700.8
37.5°	639.8	643.8	655.3	674.3	681.8
40°	612.4	616.8	632.3	656.2	662.8
42.5°	584.5	590.7	609.8	635.4	645.6
45°	553.6	562.9	584.5	615.5	630.1
47.5°	522.6	533.7	560.7	598.7	616.4
50°	490.8	503.2	536.8	583.7	604.0
52.5°	459.0	472.7	513.4	569.5	591.6
55°	424.5	442.6	491.7	555.8	579.7
57.5°	392.6	412.1	472.2	542.1	568.2
60°	356.8	381.6	454.1	528.0	555.4
62.5°	321.5	351.1	436.9	513.4	540.3
65°	285.2	321.9	418.7	498.8	526.6
67.5°	249.4	292.3	401.9	483.7	512.5
70°	215.3	266.6	383.4	468.3	497.4
72.5°	179.5	244.1	366.1	451.9	481.1
75°	146.4	222.0	348.0	434.2	463.8
77.5°	112.8	201.2	330.3	416.5	447.0
80°	84.5	181.7	310.8	398.0	428.0
82.5°	57.5	162.3	291.8	378.9	410.3
85°	34.5	141.5	272.8	359.5	389.6
87.5°	15.5	123.4	252.0	339.6	371.0
90°	2.7	104.8	233.0	320.6	350.6
92.5°	3.1	88.0	213.6	300.2	330.3
95°	2.7	70.3	192.3	277.7	310.0
97.5°	2.7	55.3	169.8	255.6	285.2
100°	2.2	41.1	148.1	232.1	261.3
102.5°	2.2	29.2	128.7	209.1	238.3
105°	2.2	19.0	109.7	186.2	214.5
107.5°	2.2	10.6	91.1	164.0	192.8
110°	2.2	4.0	74.3	144.1	168.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	1.8	57.9	122.0	146.8
115°	1.8	1.8	44.7	102.1	126.5
117.5°	1.8	1.3	30.5	83.6	105.7
120°	1.8	1.3	19.0	66.8	85.8
122.5°	1.3	0.9	9.3	49.5	68.5
125°	1.3	0.9	2.2	34.0	50.0
127.5°	1.3	0.4	0.0	20.3	34.5
130°	0.9	0.4	0.0	9.7	20.3
132.5°	0.9	0.4	0.0	1.8	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)