

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: P289743

Luminaire Tested: **4SSRK-TS-30-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289743
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-30-L950-CD1-U
Description: 3000 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: 2563.9 lumens
Efficiency: N/A
Efficacy: 125.7 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

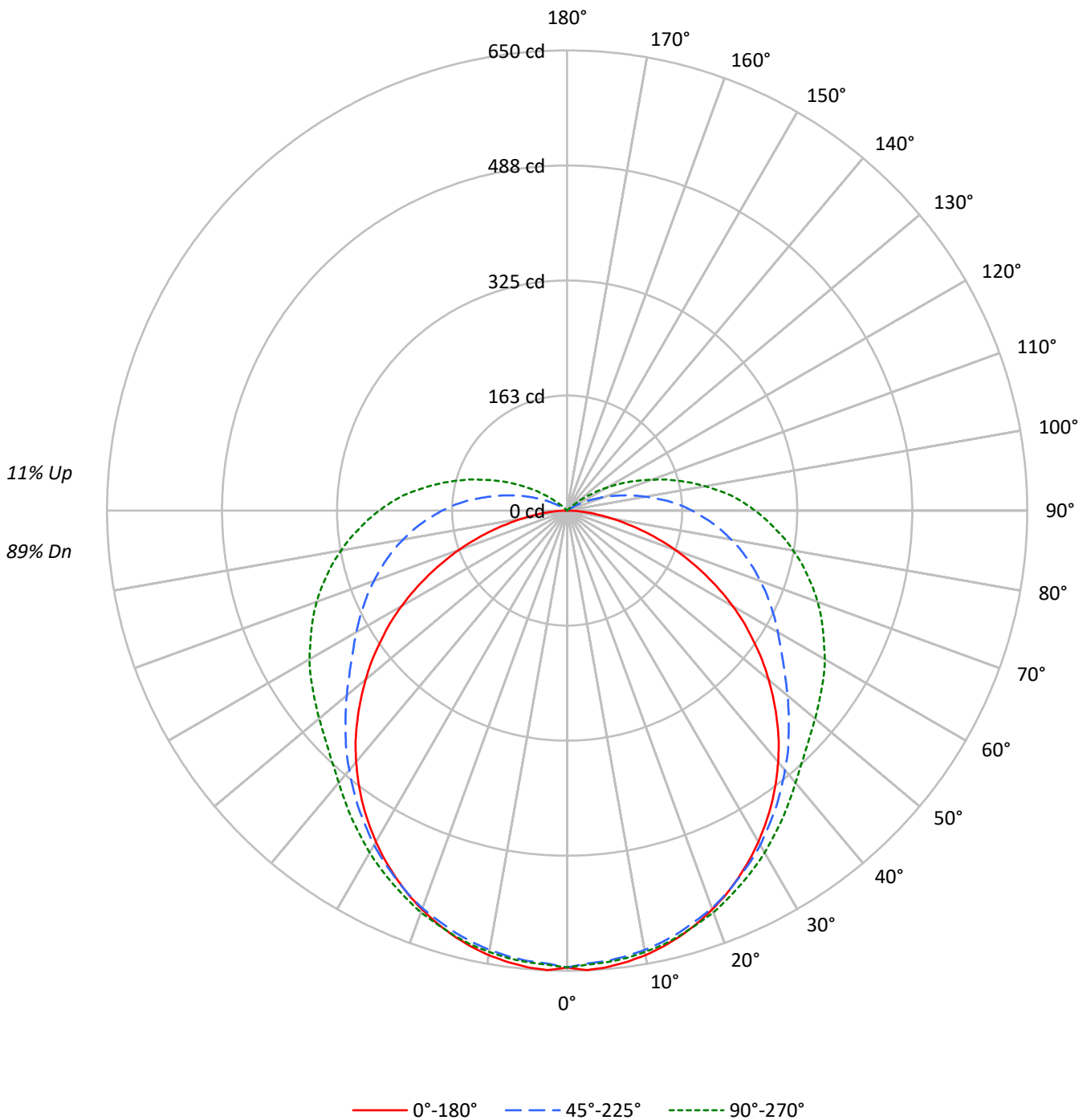
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	41682	41682	41682
5°	41818	33125	30750
10°	41515	27485	24343
15°	41102	23333	20028
20°	40587	20138	16909
25°	39991	17507	14477
30°	39346	15354	12574
35°	38617	13490	11006
40°	37764	11877	9711
45°	36747	10476	8713
50°	35570	9268	7965
55°	34146	8247	7360
60°	32539	7463	6849
65°	30287	6795	6361
70°	27617	6190	5931
75°	23927	5634	5500
80°	19223	5086	5088
85°	13101	4545	4677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	2.4
10°-20°	174.9	6.8
20°-30°	265.6	10.4
30°-40°	322.9	12.6
40°-50°	344.6	13.4
50°-60°	338.0	13.2
60°-70°	308.8	12.0
70°-80°	262.1	10.2
80°-90°	203.9	8.0
90°-100°	143.8	5.6
100°-110°	85.5	3.3
110°-120°	40.4	1.6
120°-130°	11.7	0.5
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°	501.6	19.6
0°-40°	824.5	32.2
0°-60°	1507.1	58.8
0°-90°	2281.9	89.0
90°-120°	269.7	10.5
90°-150°	282.1	11.0
90°-180°	282.0	11.0
0°-180°	2563.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	647	645	639	642	640	61
15°	622	620	616	622	621	175
25°	572	572	573	582	582	264
35°	504	507	514	526	531	315
45°	419	426	442	466	477	323
55°	321	335	372	421	439	288
65°	216	244	317	378	399	214
75°	111	168	263	329	351	117
85°	26	107	206	272	295	29
90°	2	79	176	243	265	2
95°	2	53	146	210	235	2
105°	2	14	83	141	162	2
115°	1	1	34	77	96	1
125°	1	1	2	26	38	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°	645.4	645.4	645.4	645.4	645.4
2.5°	649.7	647.4	640.3	644.0	642.0
5°	647.4	645.0	638.7	642.4	640.3
7.5°	643.0	641.3	635.0	639.0	637.7
10°	637.7	636.0	630.3	635.0	633.0
12.5°	630.3	628.6	623.9	628.6	628.0
15°	621.6	620.3	616.2	621.6	620.6
17.5°	611.2	610.2	606.9	613.6	612.2
20°	599.5	598.8	597.8	603.9	604.2
22.5°	586.8	586.8	586.1	592.8	593.1
25°	572.1	572.4	573.1	582.1	582.1
27.5°	557.0	558.0	559.7	568.4	570.4
30°	540.3	541.9	545.6	555.0	558.0
32.5°	522.5	525.2	529.2	540.9	543.9
35°	504.1	506.8	513.5	526.2	530.6
37.5°	484.4	487.4	496.1	510.5	516.2
40°	463.6	467.0	478.7	496.7	501.8
42.5°	442.5	447.2	461.6	481.0	488.7
45°	419.1	426.1	442.5	465.9	477.0
47.5°	395.7	404.0	424.4	453.2	466.6
50°	371.6	380.9	406.4	441.8	457.2
52.5°	347.5	357.8	388.6	431.1	447.9
55°	321.3	335.1	372.2	420.8	438.8
57.5°	297.2	312.0	357.5	410.4	430.1
60°	270.1	288.9	343.8	399.7	420.4
62.5°	243.4	265.8	330.7	388.6	409.0
65°	215.9	243.7	317.0	377.6	398.7
67.5°	188.8	221.3	304.3	366.2	388.0
70°	163.0	201.8	290.2	354.5	376.6
72.5°	135.9	184.8	277.2	342.1	364.2
75°	110.8	168.0	263.4	328.7	351.1
77.5°	85.4	152.3	250.0	315.3	338.4
80°	63.9	137.6	235.3	301.3	324.0
82.5°	43.5	122.8	220.9	286.9	310.6
85°	26.1	107.1	206.5	272.1	294.9
87.5°	11.7	93.4	190.8	257.1	280.8
90°	2.0	79.3	176.4	242.7	265.4
92.5°	2.3	66.6	161.7	227.3	250.0
95°	2.0	53.2	145.6	210.2	234.6
97.5°	2.0	41.8	128.5	193.5	215.9
100°	1.7	31.1	112.1	175.7	197.8
102.5°	1.7	22.1	97.4	158.3	180.4
105°	1.7	14.4	83.0	140.9	162.3
107.5°	1.7	8.0	69.0	124.2	145.9
110°	1.7	3.0	56.2	109.1	127.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	1.3	43.9	92.4	111.1
115°	1.3	1.3	33.8	77.3	95.7
117.5°	1.3	1.0	23.1	63.3	80.0
120°	1.3	1.0	14.4	50.5	64.9
122.5°	1.0	0.7	7.0	37.5	51.9
125°	1.0	0.7	1.7	25.8	37.8
127.5°	1.0	0.3	0.0	15.4	26.1
130°	0.7	0.3	0.0	7.4	15.4
132.5°	0.7	0.3	0.0	1.3	6.7
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)