

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-30-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-30-L950-CD1-U
Description: 3000 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: 2692.2 lumens
Efficiency: N/A
Efficacy: 132.0 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

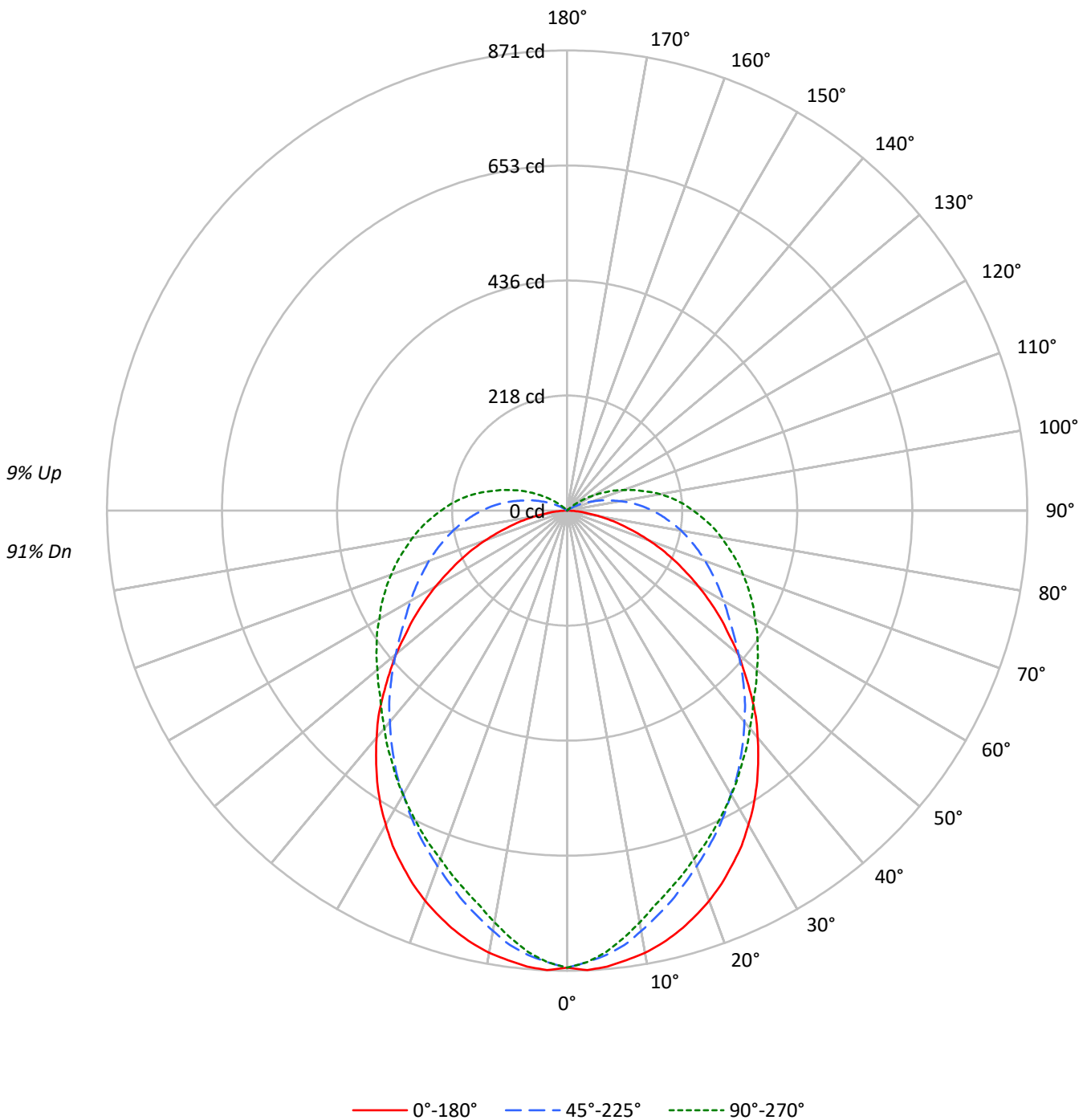
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	55871	55871	55871
5°	55971	43808	40301
10°	55342	35229	30438
15°	54413	28940	24007
20°	53220	24140	19634
25°	51713	20477	16467
30°	50000	17445	13998
35°	48009	15032	12010
40°	45723	12946	10414
45°	43121	11191	9133
50°	40423	9662	8166
55°	37642	8391	7381
60°	34636	7424	6681
65°	31535	6630	6108
70°	27922	5928	5578
75°	23538	5305	5101
80°	18441	4740	4664
85°	11645	4169	4257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	3.0
10°-20°	218.3	8.1
20°-30°	315.8	11.7
30°-40°	367.4	13.6
40°-50°	374.0	13.9
50°-60°	348.0	12.9
60°-70°	303.0	11.3
70°-80°	246.7	9.2
80°-90°	186.8	6.9
90°-100°	129.6	4.8
100°-110°	76.1	2.8
110°-120°	35.7	1.3
120°-130°	10.2	0.4
130°-140°	0.6	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°	614.2	22.8
0°-40°	981.6	36.5
0°-60°	1703.5	63.3
0°-90°	2440.0	90.6
90°-120°	241.4	9.0
90°-150°	252.1	9.4
90°-180°	252.0	9.4
0°-180°	2692.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	865	865	865	865	865	
5°	866	860	845	845	839	82
15°	823	801	764	751	744	232
25°	740	707	670	665	662	341
35°	627	594	572	578	579	391
45°	492	473	473	492	500	380
55°	354	353	379	424	440	316
65°	225	244	309	364	383	223
75°	109	159	248	305	326	116
85°	23	100	189	249	268	27
90°	0	72	161	219	238	1
95°	0	46	132	191	210	0
105°	0	11	75	127	144	0
115°	0	0	30	70	84	0
125°	0	0	1	23	34	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°	1	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°	865.1	865.1	865.1	865.1	865.1
2.5°	870.6	866.5	855.6	859.7	855.6
5°	866.5	859.7	844.7	844.7	839.2
7.5°	858.3	850.1	829.7	822.9	816.1
10°	850.1	837.9	807.9	799.7	791.5
12.5°	837.9	820.2	786.1	773.8	765.7
15°	822.9	801.1	764.3	750.7	743.9
17.5°	805.2	780.6	739.8	728.9	723.4
20°	786.1	757.5	716.6	707.1	701.6
22.5°	764.3	731.6	693.5	686.6	682.6
25°	739.8	707.1	670.3	664.8	662.1
27.5°	715.2	679.8	645.8	643.0	641.7
30°	686.6	652.6	619.9	621.2	621.2
32.5°	658.0	624.0	598.1	600.8	600.8
35°	626.7	594.0	572.2	577.6	579.0
37.5°	594.0	565.4	547.7	555.9	559.9
40°	561.3	535.4	521.8	534.1	538.1
42.5°	528.6	504.1	498.6	513.6	519.1
45°	491.8	472.7	472.7	491.8	500.0
47.5°	456.4	444.1	448.2	472.7	485.0
50°	422.3	412.8	423.7	455.0	468.7
52.5°	385.6	382.8	400.5	438.7	455.0
55°	354.2	352.9	378.7	423.7	440.0
57.5°	320.2	324.2	359.7	408.7	426.4
60°	287.5	295.6	342.0	393.7	410.1
62.5°	254.8	271.1	325.6	378.7	397.8
65°	224.8	243.9	309.3	363.8	382.8
67.5°	194.8	219.3	292.9	350.1	369.2
70°	164.8	197.5	277.9	335.1	354.2
72.5°	134.9	178.5	262.9	320.2	340.6
75°	109.0	159.4	248.0	305.2	325.6
77.5°	84.5	144.4	233.0	292.9	310.6
80°	61.3	128.1	219.3	277.9	297.0
82.5°	39.5	114.4	204.4	262.9	283.4
85°	23.2	99.5	189.4	249.3	268.4
87.5°	9.5	84.5	175.7	234.3	253.4
90°	0.0	72.2	160.8	219.3	238.4
92.5°	0.0	59.9	147.1	205.7	224.8
95°	0.0	46.3	132.2	190.7	209.8
97.5°	0.0	35.4	117.2	175.7	194.8
100°	0.0	27.2	102.2	158.0	178.5
102.5°	0.0	19.1	87.2	141.7	162.1
105°	0.0	10.9	74.9	126.7	144.4
107.5°	0.0	5.4	62.7	111.7	129.4
110°	0.0	1.4	50.4	96.7	113.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	39.5	83.1	99.5
115°	0.0	0.0	30.0	69.5	84.5
117.5°	0.0	0.0	20.4	57.2	70.8
120°	0.0	0.0	12.3	45.0	57.2
122.5°	0.0	0.0	5.4	34.1	45.0
125°	0.0	0.0	1.4	23.2	34.1
127.5°	0.0	0.0	0.0	13.6	23.2
130°	0.0	0.0	0.0	6.8	13.6
132.5°	0.0	0.0	0.0	1.4	5.4
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°	1.4	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)