

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: P290447

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-SLW-30-L950-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2687.7 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

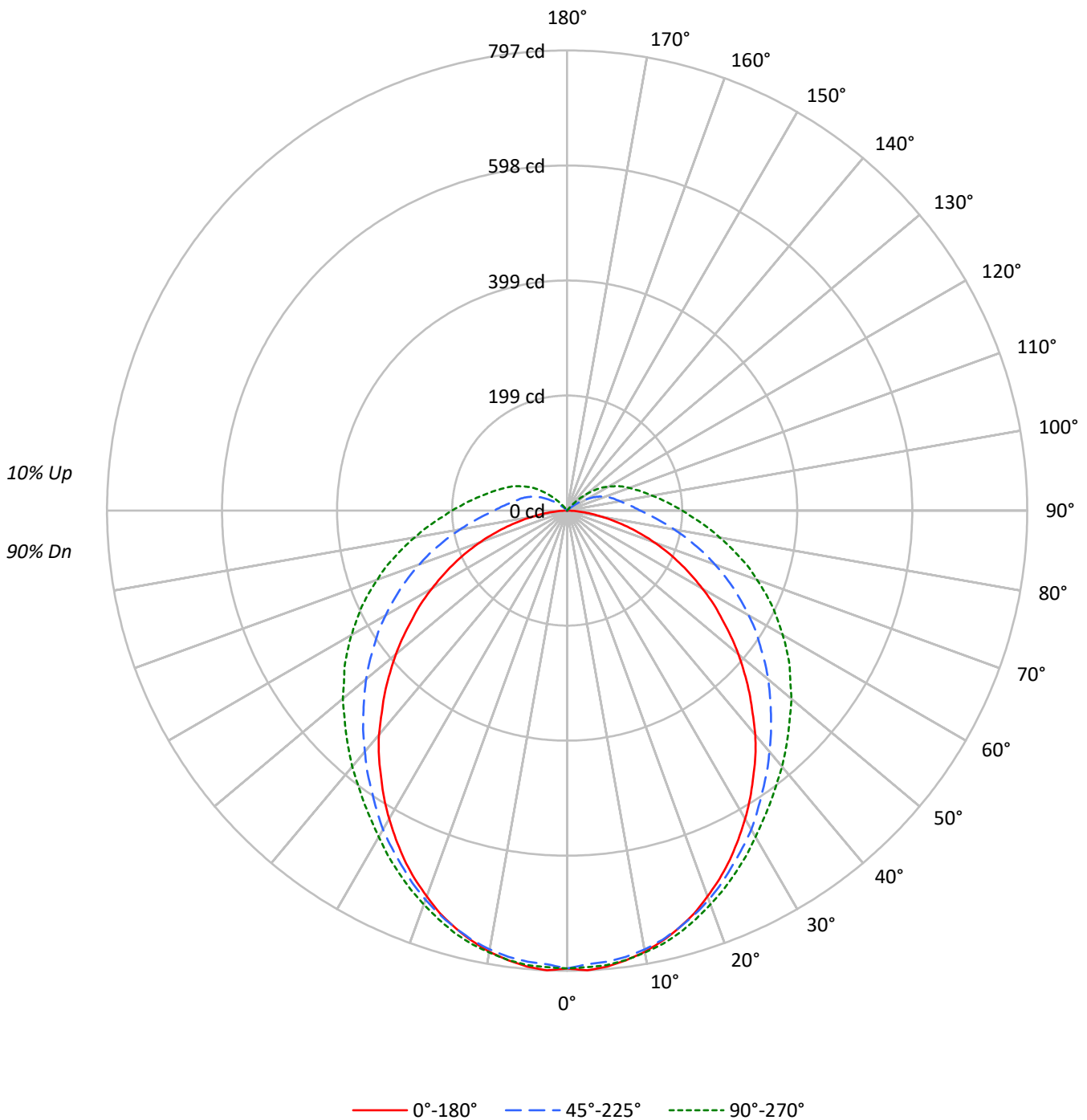
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	90
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	51214	51214	51214
5°	51223	40676	37953
10°	50512	33659	29888
15°	49486	28338	24414
20°	48135	24164	20317
25°	46631	20715	17190
30°	44902	17954	14701
35°	43053	15521	12755
40°	41308	13519	11207
45°	39149	11816	9899
50°	37072	10367	8835
55°	34794	9041	7894
60°	32588	7885	7030
65°	30104	6810	6259
70°	27109	5804	5509
75°	23193	4883	4830
80°	18230	4065	4210
85°	11946	3390	3669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.9	2.8
10°-20°	211.9	7.9
20°-30°	313.5	11.7
30°-40°	370.3	13.8
40°-50°	384.9	14.3
50°-60°	362.9	13.5
60°-70°	309.4	11.5
70°-80°	234.0	8.7
80°-90°	157.9	5.9
90°-100°	108.4	4.0
100°-110°	77.7	2.9
110°-120°	49.9	1.9
120°-130°	25.5	0.9
130°-140°	6.5	0.2
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	600.4	22.3
0°-40°	970.7	36.1
0°-60°	1718.5	63.9
0°-90°	2419.7	90.0
90°-120°	236.0	8.8
90°-150°	268.0	10.0
90°-180°	268.0	10.0
0°-180°	2687.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	793	793	793	793	793	
5°	793	791	784	792	790	75
15°	748	751	748	756	756	211
25°	667	675	678	690	691	307
35°	562	575	591	608	615	352
45°	446	469	499	530	542	344
55°	327	361	408	452	471	294
65°	215	258	318	370	392	213
75°	107	160	228	286	308	115
85°	24	80	154	211	231	27
90°	0	57	126	180	200	1
95°	0	45	108	155	173	0
105°	1	29	82	118	131	1
115°	1	4	57	89	100	1
125°	1	1	24	55	66	1
135°	1	0	0	17	26	1
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°	793.0	793.0	793.0	793.0	793.0
2.5°	797.0	794.3	786.6	793.3	791.6
5°	793.0	791.0	784.3	791.6	790.3
7.5°	785.3	784.9	779.6	787.3	784.9
10°	775.9	776.2	771.9	779.6	777.2
12.5°	763.2	764.5	761.5	768.9	768.5
15°	748.4	750.8	748.4	755.8	756.5
17.5°	731.7	735.4	733.7	742.8	741.7
20°	711.0	716.0	717.3	726.3	726.0
22.5°	690.2	696.6	698.9	708.3	709.6
25°	667.1	674.8	678.1	689.9	691.2
27.5°	642.0	652.0	658.1	669.8	672.8
30°	616.6	627.3	638.0	649.7	652.4
32.5°	590.1	601.8	614.2	630.3	633.3
35°	562.0	575.4	590.8	608.5	614.9
37.5°	535.6	550.6	568.7	589.4	596.1
40°	507.1	522.5	544.9	568.4	579.1
42.5°	475.3	496.1	522.8	551.0	560.3
45°	446.5	468.6	499.1	529.9	541.9
47.5°	416.4	442.2	476.6	510.8	523.8
50°	387.3	415.4	454.6	491.4	507.1
52.5°	357.1	388.9	431.5	472.3	487.0
55°	327.4	361.2	408.0	451.9	470.6
57.5°	300.6	335.1	386.9	431.8	450.9
60°	270.5	310.3	363.2	411.4	431.5
62.5°	242.7	283.2	339.7	391.0	411.0
65°	214.6	258.1	317.7	370.2	392.3
67.5°	188.1	232.0	295.2	349.8	370.9
70°	160.0	207.5	272.1	328.4	349.8
72.5°	134.2	183.1	250.7	307.6	330.7
75°	107.4	159.7	228.3	286.5	308.3
77.5°	83.7	136.9	208.2	266.8	288.5
80°	60.6	116.1	188.1	247.0	268.1
82.5°	41.2	97.1	170.4	229.0	249.7
85°	23.8	80.0	154.0	210.9	231.3
87.5°	9.0	66.6	139.2	195.1	213.9
90°	0.3	56.6	126.5	180.4	199.5
92.5°	0.3	49.5	116.8	167.0	184.8
95°	0.3	44.9	107.8	155.3	172.7
97.5°	0.7	41.2	99.7	144.9	160.3
100°	0.7	37.5	93.1	134.9	149.6
102.5°	0.7	33.8	87.0	125.9	139.6
105°	0.7	28.8	81.7	117.5	130.9
107.5°	0.7	22.4	75.6	110.5	122.2
110°	0.7	16.4	69.3	103.4	114.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	10.0	63.6	96.4	107.4
115°	0.7	3.7	56.6	88.7	99.7
117.5°	0.7	1.3	48.2	81.3	91.0
120°	0.7	1.0	40.2	73.3	83.0
122.5°	0.7	1.0	31.8	64.6	75.0
125°	0.7	1.0	23.8	55.2	66.3
127.5°	0.7	0.7	15.4	45.5	55.6
130°	0.7	0.7	7.4	36.2	45.9
132.5°	0.7	0.7	0.3	26.4	35.8
135°	0.7	0.3	0.3	17.4	25.8
137.5°	0.7	0.3	0.0	8.4	16.7
140°	0.7	0.3	0.0	0.0	6.7
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)