

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: P290446

Luminaire Tested: **4SSRK-SLW-30-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290446
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-L940-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2523.5 lumens
Efficiency: N/A
Efficacy: 123.7 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

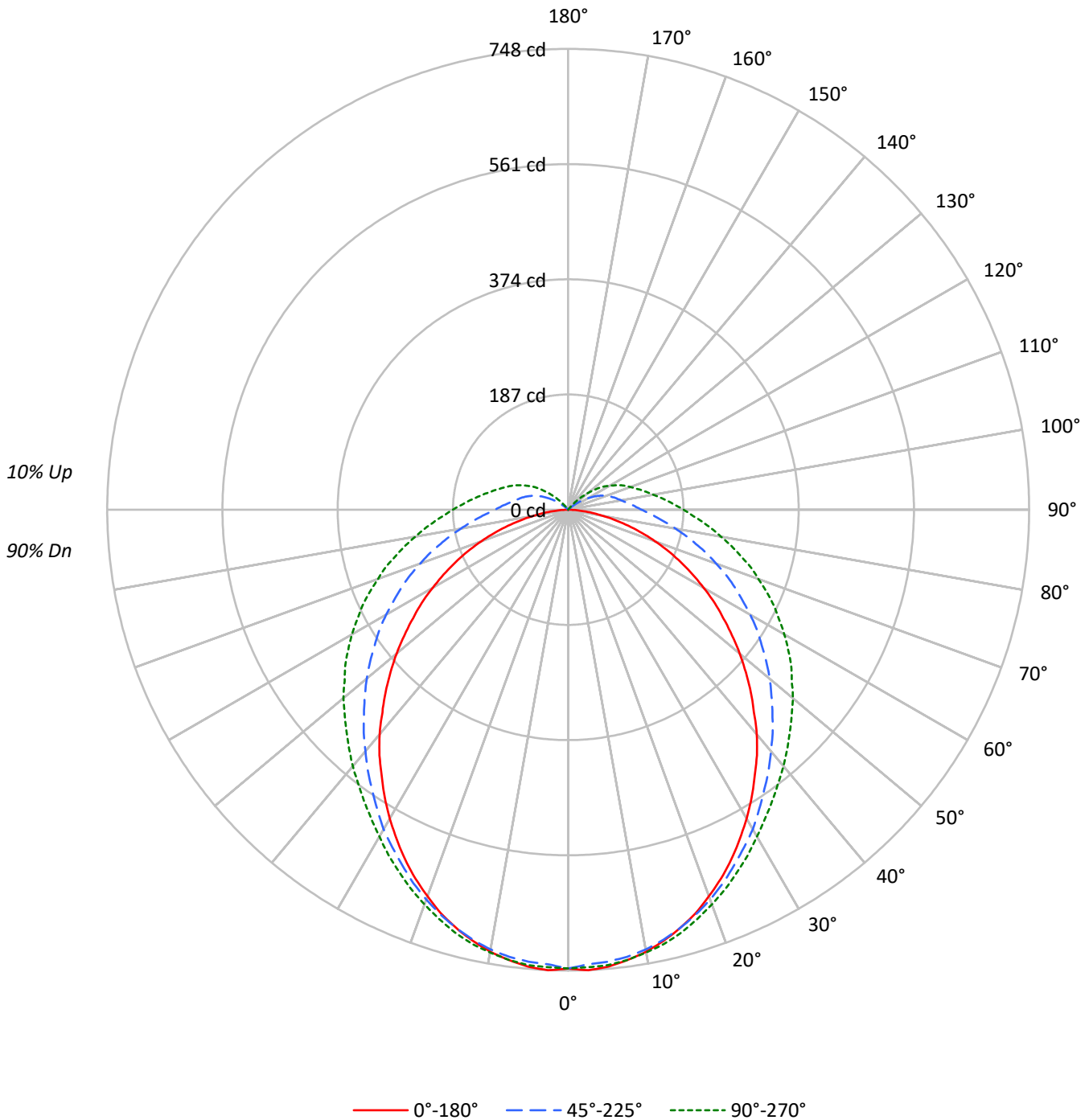
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	48088	48088	48088
5°	48097	38191	35634
10°	47426	31605	28065
15°	46471	26612	22923
20°	45197	22688	19077
25°	43786	19453	16141
30°	42157	16857	13804
35°	40425	14572	11977
40°	38791	12696	10522
45°	36765	11094	9294
50°	34804	9733	8296
55°	32668	8489	7412
60°	30588	7403	6600
65°	28267	6395	5876
70°	25449	5450	5172
75°	21789	4584	4535
80°	17117	3817	3952
85°	11194	3183	3445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	2.8
10°-20°	199.0	7.9
20°-30°	294.4	11.7
30°-40°	347.7	13.8
40°-50°	361.4	14.3
50°-60°	340.8	13.5
60°-70°	290.5	11.5
70°-80°	219.7	8.7
80°-90°	148.2	5.9
90°-100°	101.8	4.0
100°-110°	73.0	2.9
110°-120°	46.8	1.9
120°-130°	23.9	0.9
130°-140°	6.1	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°	563.7	22.3
0°-40°	911.4	36.1
0°-60°	1613.6	63.9
0°-90°	2272.0	90.0
90°-120°	221.6	8.8
90°-150°	251.6	10.0
90°-180°	252.0	10.0
0°-180°	2523.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	745	745	745	745	745	
5°	745	743	736	743	742	71
15°	703	705	703	710	710	198
25°	626	634	637	648	649	288
35°	528	540	555	571	577	330
45°	419	440	469	498	509	323
55°	307	339	383	424	442	276
65°	202	242	298	348	368	200
75°	101	150	214	269	290	108
85°	22	75	145	198	217	25
90°	0	53	119	169	187	1
95°	0	42	101	146	162	0
105°	1	27	77	110	123	1
115°	1	4	53	83	94	1
125°	1	1	22	52	62	1
135°	1	0	0	16	24	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°	744.6	744.6	744.6	744.6	744.6
2.5°	748.3	745.8	738.6	744.9	743.3
5°	744.6	742.7	736.4	743.3	742.0
7.5°	737.3	737.0	732.0	739.2	737.0
10°	728.5	728.8	724.8	732.0	729.8
12.5°	716.6	717.8	715.0	721.9	721.6
15°	702.8	705.0	702.8	709.7	710.3
17.5°	687.0	690.5	688.9	697.4	696.5
20°	667.6	672.3	673.5	682.0	681.7
22.5°	648.1	654.0	656.2	665.0	666.3
25°	626.4	633.6	636.8	647.8	649.0
27.5°	602.8	612.2	617.9	628.9	631.7
30°	578.9	589.0	599.0	610.0	612.6
32.5°	554.1	565.1	576.7	591.8	594.6
35°	527.7	540.3	554.7	571.4	577.4
37.5°	502.9	517.0	534.0	553.5	559.8
40°	476.2	490.6	511.7	533.7	543.7
42.5°	446.3	465.8	490.9	517.3	526.1
45°	419.3	440.0	468.6	497.5	508.8
47.5°	391.0	415.2	447.5	479.6	491.9
50°	363.6	390.0	426.8	461.4	476.2
52.5°	335.3	365.2	405.1	443.5	457.3
55°	307.4	339.1	383.1	424.3	441.9
57.5°	282.2	314.6	363.3	405.4	423.3
60°	253.9	291.3	341.0	386.3	405.1
62.5°	227.9	265.9	319.0	367.1	385.9
65°	201.5	242.3	298.3	347.6	368.3
67.5°	176.6	217.8	277.2	328.4	348.2
70°	150.2	194.9	255.5	308.3	328.4
72.5°	126.0	171.9	235.4	288.8	310.5
75°	100.9	149.9	214.3	269.0	289.5
77.5°	78.6	128.5	195.5	250.5	270.9
80°	56.9	109.1	176.6	231.9	251.7
82.5°	38.7	91.1	160.0	215.0	234.5
85°	22.3	75.1	144.6	198.0	217.2
87.5°	8.5	62.5	130.7	183.2	200.8
90°	0.3	53.1	118.8	169.4	187.3
92.5°	0.3	46.5	109.7	156.8	173.5
95°	0.3	42.1	101.2	145.8	162.2
97.5°	0.6	38.7	93.7	136.1	150.5
100°	0.6	35.2	87.4	126.7	140.5
102.5°	0.6	31.7	81.7	118.2	131.1
105°	0.6	27.0	76.7	110.3	122.9
107.5°	0.6	21.1	71.0	103.7	114.7
110°	0.6	15.4	65.1	97.1	107.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	9.4	59.7	90.5	100.9
115°	0.6	3.5	53.1	83.3	93.7
117.5°	0.6	1.3	45.3	76.4	85.5
120°	0.6	0.9	37.7	68.8	77.9
122.5°	0.6	0.9	29.9	60.7	70.4
125°	0.6	0.9	22.3	51.9	62.2
127.5°	0.6	0.6	14.5	42.7	52.2
130°	0.6	0.6	6.9	33.9	43.1
132.5°	0.6	0.6	0.3	24.8	33.6
135°	0.6	0.3	0.3	16.3	24.2
137.5°	0.6	0.3	0.0	7.9	15.7
140°	0.6	0.3	0.0	0.0	6.3
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)