

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: P290357

Luminaire Tested: **4SSRK-SLN-30-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-SLN-30-L935-CD1-U
Description: 3000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2656.1 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

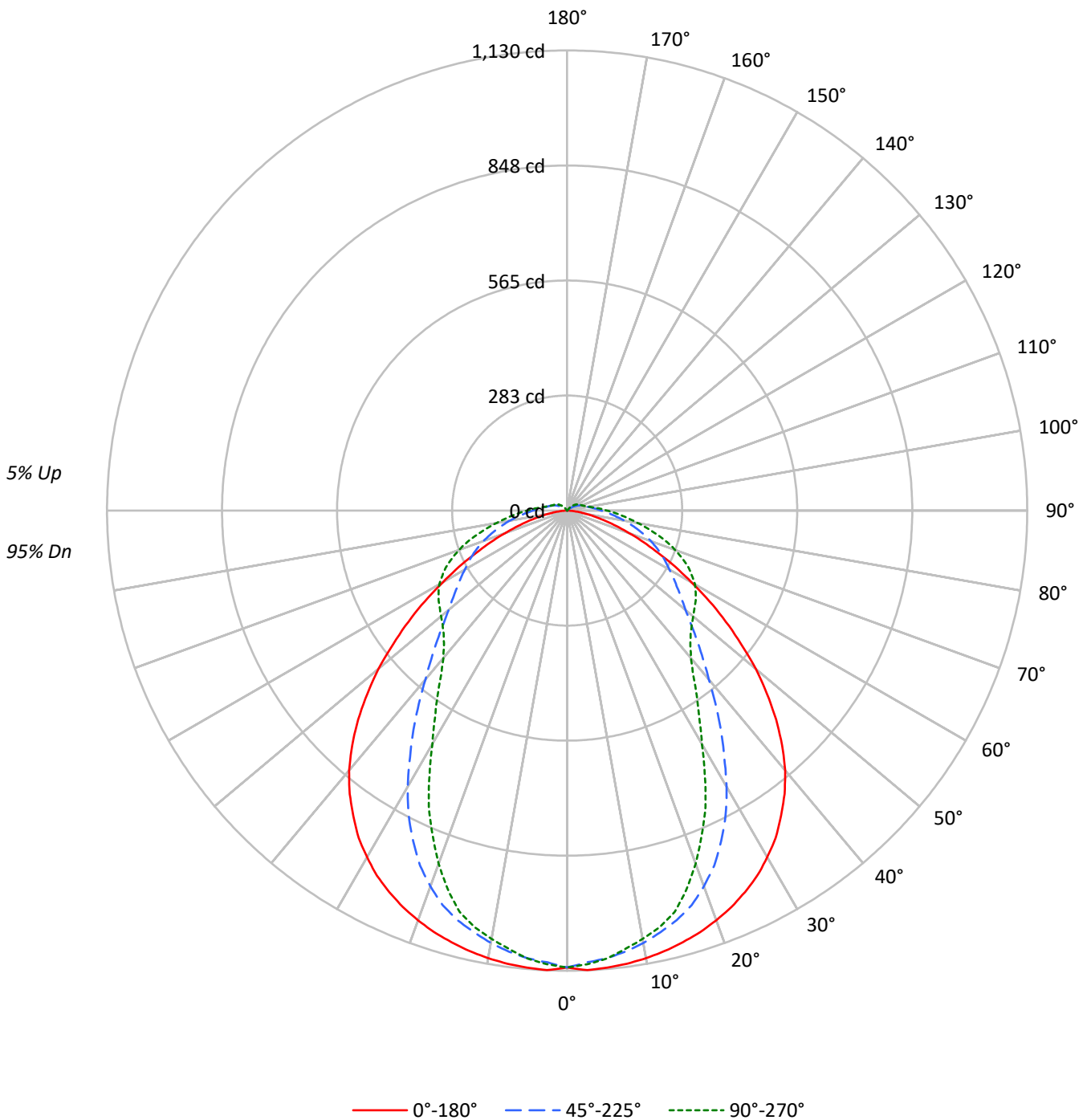
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79
2	98	90	83	77	95	87	81	76	83	78	73	79	75	71	75	72	69	66
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	63	59	56
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	60	52	47	57	51	46	55	49	45	43
6	71	58	49	43	68	56	48	42	54	47	42	52	46	41	50	45	40	38
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34
8	61	48	40	34	60	47	40	34	46	39	34	44	38	33	43	37	33	31
9	57	44	37	31	56	44	36	31	42	35	31	41	35	30	40	34	30	28
10	54	41	34	28	53	41	33	28	39	33	28	38	32	28	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	72456	72456	72456
5°	72785	57246	53052
10°	72653	47020	41079
15°	72557	39414	32927
20°	72481	33077	25822
25°	72243	27353	19988
30°	71577	22037	14915
35°	70125	17284	11502
40°	67864	13437	9152
45°	63630	10673	7831
50°	57920	8650	7040
55°	50575	7317	6465
60°	42514	6302	5904
65°	34650	5473	5233
70°	27448	4661	4441
75°	20731	3846	3586
80°	14500	3084	2770
85°	8483	2410	2108



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	4.0
10°-20°	295.3	11.1
20°-30°	415.3	15.6
30°-40°	434.9	16.4
40°-50°	393.7	14.8
50°-60°	335.1	12.6
60°-70°	265.0	10.0
70°-80°	180.4	6.8
80°-90°	102.9	3.9
90°-100°	57.1	2.1
100°-110°	34.9	1.3
110°-120°	21.2	0.8
120°-130°	11.5	0.4
130°-140°	3.5	0.1
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°	815.9	30.7
0°-40°	1250.8	47.1
0°-60°	1979.6	74.5
0°-90°	2527.9	95.2
90°-120°	113.2	4.3
90°-150°	128.2	4.8
90°-180°	128.0	4.8
0°-180°	2656.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1122	1122	1122	1122	1122	
5°	1127	1120	1104	1109	1105	107
15°	1097	1076	1041	1030	1020	310
25°	1034	982	895	826	804	476
35°	915	812	658	576	554	572
45°	726	576	451	427	429	557
55°	476	363	330	368	385	426
65°	247	214	255	312	328	249
75°	96	117	180	221	229	105
85°	17	56	110	131	133	20
90°	0	39	84	98	98	1
95°	1	30	66	73	72	0
105°	1	18	44	46	44	1
115°	1	2	30	35	34	0
125°	0	1	14	24	26	0
135°	1	1	1	10	13	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°	1121.9	1121.9	1121.9	1121.9	1121.9
2.5°	1129.5	1123.4	1110.5	1118.8	1115.1
5°	1126.8	1119.7	1103.8	1108.7	1104.7
7.5°	1122.5	1113.0	1092.4	1093.9	1086.3
10°	1116.0	1103.8	1078.3	1075.5	1068.2
12.5°	1107.8	1090.9	1060.2	1056.5	1047.9
15°	1097.3	1076.5	1040.9	1030.1	1020.3
17.5°	1085.7	1059.3	1016.0	992.1	975.2
20°	1070.6	1037.2	981.9	947.3	922.7
22.5°	1053.8	1013.2	943.6	891.4	863.5
25°	1033.5	982.3	895.4	826.1	803.7
27.5°	1011.1	950.0	842.9	761.9	732.2
30°	982.9	909.2	783.1	696.3	661.9
32.5°	953.4	865.3	718.0	630.6	603.9
35°	915.4	812.3	657.9	575.7	554.5
37.5°	877.0	755.5	598.1	526.6	507.9
40°	833.1	698.1	541.6	486.1	472.9
42.5°	781.0	639.8	493.7	452.0	447.4
45°	725.7	576.3	450.8	427.1	428.7
47.5°	665.6	518.6	411.8	407.2	414.9
50°	605.1	464.9	379.3	392.2	404.1
52.5°	537.9	413.0	353.5	379.9	394.3
55°	475.9	363.3	330.2	368.2	385.4
57.5°	414.3	321.0	309.9	356.3	374.4
60°	352.9	282.3	290.3	343.4	362.4
62.5°	299.5	245.5	273.1	329.0	345.5
65°	247.0	214.5	255.3	311.8	328.0
67.5°	203.4	186.9	237.5	291.2	305.9
70°	162.0	160.8	218.5	268.5	282.0
72.5°	126.4	137.2	198.5	244.9	257.8
75°	96.0	116.9	179.8	220.9	228.9
77.5°	70.3	97.9	160.8	196.7	202.2
80°	48.2	81.3	142.7	172.5	176.4
82.5°	30.4	67.2	125.2	150.7	153.4
85°	16.9	55.5	109.5	131.0	132.9
87.5°	6.4	45.7	95.4	113.8	115.4
90°	0.3	38.7	83.8	97.6	97.6
92.5°	0.3	33.8	74.3	84.7	85.3
95°	0.6	29.8	66.0	73.0	72.4
97.5°	0.6	27.0	58.3	64.1	62.3
100°	0.6	24.5	52.5	56.5	54.6
102.5°	0.6	21.8	47.9	50.3	48.2
105°	0.6	18.1	44.2	46.0	44.2
107.5°	0.6	14.4	40.2	42.7	40.8
110°	0.6	10.7	36.5	39.6	38.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	6.8	33.1	36.8	35.9
115°	0.6	2.5	29.8	34.7	33.8
117.5°	0.3	1.2	25.5	32.2	31.9
120°	0.3	0.9	21.5	30.1	30.1
122.5°	0.3	0.9	17.8	27.0	28.2
125°	0.3	0.6	13.5	23.9	25.5
127.5°	0.3	0.6	9.5	20.9	22.7
130°	0.3	0.6	4.9	17.2	19.6
132.5°	0.3	0.6	0.6	13.5	16.3
135°	0.6	0.6	0.6	9.8	12.9
137.5°	0.6	0.6	0.6	5.2	9.2
140°	0.6	0.6	0.3	0.3	4.3
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)