

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: P#

Luminaire Tested: **2SNLED-LD5-22SL-SLC-UNV-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-22SL-SLC-UNV-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

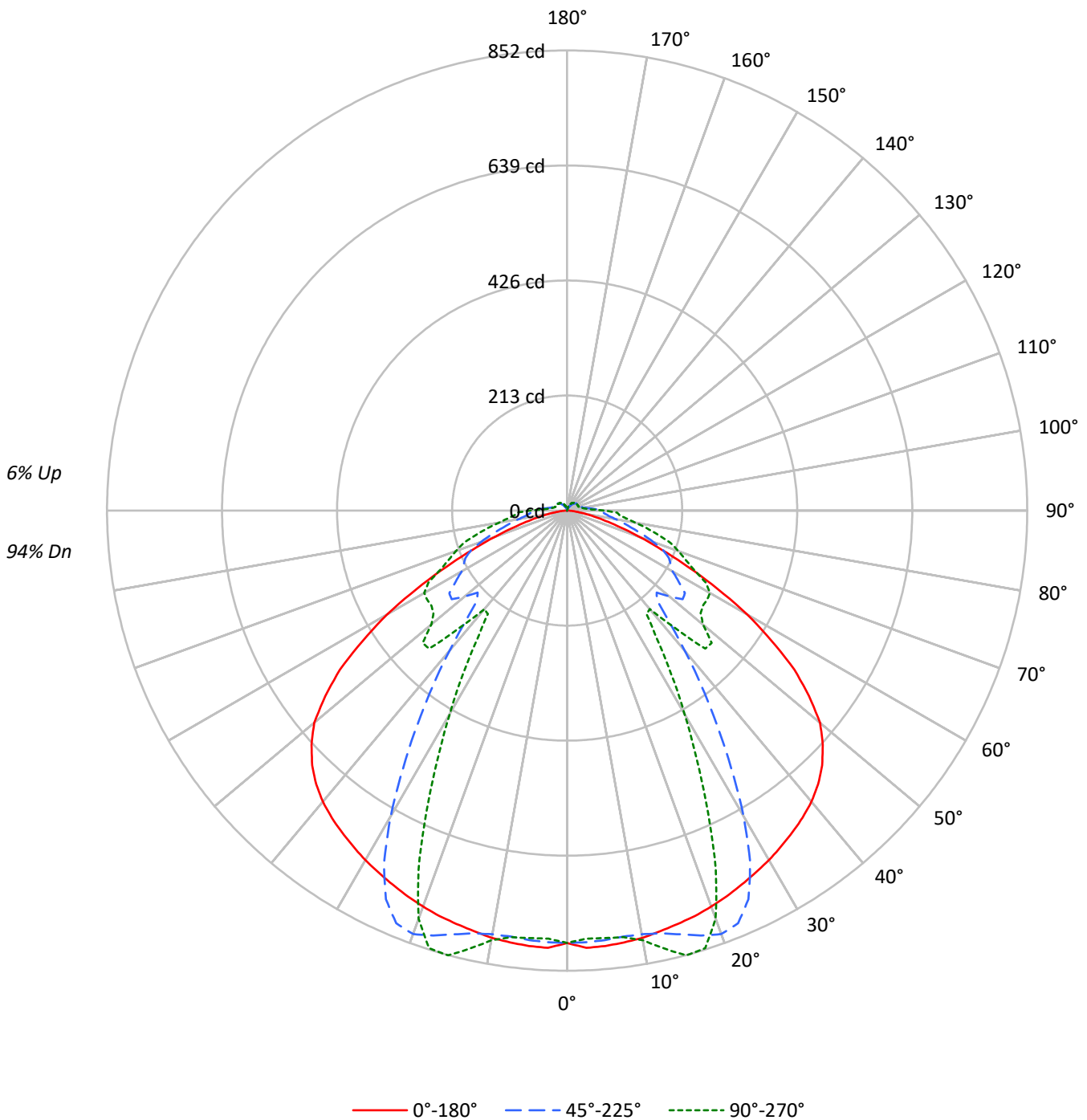
Lumens per Lamp: N/A
Luminaire Lumens: 2056.0 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 18
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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12936	12936	12936
5°	13057	12610	12478
10°	13038	12395	12434
15°	13037	12547	12961
20°	13120	12898	12165
25°	13242	12373	9367
30°	13459	10343	6663
35°	13742	7819	4512
40°	14107	5672	3820
45°	14359	4107	6006
50°	14302	4537	5700
55°	13281	5205	5628
60°	11223	4749	5982
65°	8353	4771	5473
70°	5771	4325	5095
75°	3696	3604	4570
80°	2268	3063	3805
85°	1114	2880	3414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	3.7
10°-20°	230.0	11.2
20°-30°	334.0	16.2
30°-40°	319.2	15.5
40°-50°	292.0	14.2
50°-60°	269.6	13.1
60°-70°	214.1	10.4
70°-80°	132.2	6.4
80°-90°	72.0	3.5
90°-100°	36.4	1.8
100°-110°	22.8	1.1
110°-120°	19.4	0.9
120°-130°	15.8	0.8
130°-140°	11.3	0.6
140°-150°	7.0	0.3
150°-160°	3.3	0.2
160°-170°	0.9	0.0
170°-180°	0.0	0.0
0°-30°	640.1	31.1
0°-40°	959.3	46.7
0°-60°	1520.8	74.0
0°-90°	1939.1	94.3
90°-120°	78.6	3.8
90°-150°	112.7	5.5
90°-180°	117.0	5.7
0°-180°	2056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	800	800	800	800	800	
5°	809	797	798	794	794	77
15°	792	782	812	842	852	224
25°	764	779	794	672	617	353
35°	727	715	482	332	289	456
45°	668	466	235	300	361	513
55°	513	239	266	287	307	452
65°	248	155	208	252	258	250
75°	73	83	124	165	176	83
85°	10	35	70	96	97	13
90°	0	26	63	75	69	1
95°	0	24	44	39	36	0
105°	0	22	27	24	24	0
115°	0	18	26	23	22	0
125°	0	14	23	22	21	0
135°	0	10	18	20	20	0
145°	0	6	13	16	17	0
155°	1	4	8	10	12	0
165°	1	2	4	5	7	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°	800.4	800.4	800.4	800.4	800.4
2.5°	810.3	798.6	800.0	797.5	793.3
5°	809.2	796.8	798.3	794.0	794.4
7.5°	806.4	793.6	795.4	794.7	796.5
10°	803.2	789.8	796.5	802.5	807.8
12.5°	797.5	785.5	801.8	819.5	830.5
15°	792.2	781.6	812.1	842.2	852.5
17.5°	786.9	780.2	824.8	851.0	849.6
20°	780.2	779.5	834.4	825.5	803.9
22.5°	772.7	779.8	827.0	762.1	719.6
25°	764.2	779.1	794.0	672.1	617.2
27.5°	755.7	775.9	734.1	573.6	519.4
30°	747.2	767.4	653.3	483.6	434.4
32.5°	737.3	749.0	565.5	403.9	358.6
35°	727.0	715.3	482.2	332.0	288.8
37.5°	716.4	666.8	407.5	268.9	241.3
40°	703.7	605.9	338.7	230.7	238.1
42.5°	687.7	537.1	278.1	242.0	293.7
45°	667.5	465.6	235.3	300.1	361.4
47.5°	642.0	396.8	224.6	343.7	362.8
50°	611.2	333.8	247.0	329.5	328.1
52.5°	564.4	281.3	269.6	300.5	311.8
55°	513.4	238.8	266.4	286.6	306.8
57.5°	448.9	210.1	244.5	283.8	307.2
60°	384.8	191.0	225.7	283.4	305.4
62.5°	313.9	173.6	216.1	276.7	289.8
65°	247.7	154.8	207.6	252.3	258.3
67.5°	189.9	135.7	192.7	225.0	237.0
70°	143.1	116.9	169.4	204.1	219.0
72.5°	103.1	99.2	145.3	185.7	201.2
75°	73.0	82.6	124.4	164.8	175.7
77.5°	50.3	67.3	106.6	141.7	150.6
80°	33.0	53.9	90.7	121.9	127.9
82.5°	19.8	43.2	78.7	106.6	109.8
85°	10.3	35.1	70.5	96.0	97.4
87.5°	3.2	29.4	65.9	91.1	92.8
90°	0.4	26.2	63.1	74.8	69.1
92.5°	0.0	24.8	54.6	51.0	45.7
95°	0.0	24.4	43.6	38.6	36.5
97.5°	0.0	23.7	35.8	32.2	31.2
100°	0.0	23.0	30.8	28.3	28.0
102.5°	0.0	22.7	28.0	25.9	25.5
105°	0.0	22.0	26.9	24.4	24.1
107.5°	0.0	20.9	26.2	23.7	23.0
110°	0.0	19.8	26.2	23.4	22.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.8	26.2	23.0	22.0
115°	0.0	18.1	25.9	23.0	22.0
117.5°	0.4	17.4	25.5	23.0	22.0
120°	0.0	16.7	24.8	23.0	21.6
122.5°	0.4	15.6	24.1	22.7	21.6
125°	0.4	14.5	23.0	22.3	21.3
127.5°	0.4	13.5	22.0	21.6	20.5
130°	0.4	12.4	20.9	21.3	20.2
132.5°	0.4	11.3	19.5	20.5	19.8
135°	0.4	10.3	18.4	20.2	19.5
137.5°	0.4	9.2	17.0	19.1	19.1
140°	0.4	8.1	15.6	18.4	18.8
142.5°	0.4	7.4	14.2	17.7	18.1
145°	0.4	6.4	12.8	16.3	17.4
147.5°	0.4	5.7	11.3	14.9	16.3
150°	0.4	5.0	9.9	13.5	14.9
152.5°	0.4	4.3	8.9	11.7	13.8
155°	0.7	3.9	7.8	10.3	12.4
157.5°	0.7	3.2	6.4	8.9	10.6
160°	0.7	2.8	5.7	7.4	9.6
162.5°	0.7	2.5	4.6	6.4	8.1
165°	0.7	2.1	3.9	5.0	6.7
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)