

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: P284689

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-22SL-SLW-UNV-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1933.0 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Semi-Direct

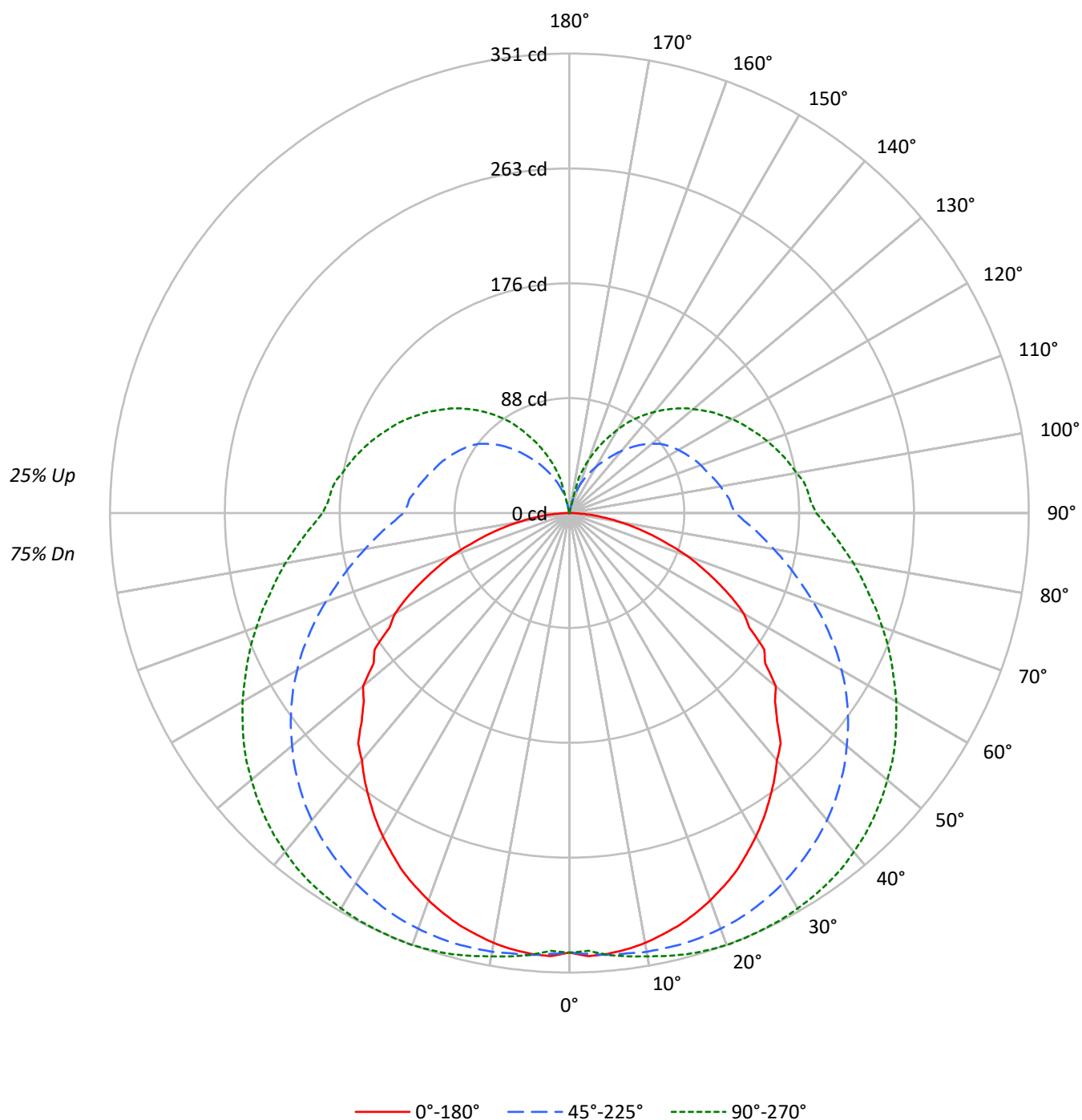
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79			75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60			56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48			44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39			36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33			30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28			25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24			22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21			19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19			17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17			15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15			13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5426	5426	5426
5°	5452	5352	5322
10°	5412	5296	5292
15°	5360	5258	5303
20°	5294	5223	5314
25°	5228	5195	5322
30°	5137	5169	5350
35°	5040	5142	5387
40°	4944	5128	5421
45°	4827	5105	5466
50°	4816	5080	5509
55°	4700	5068	5575
60°	4492	5054	5649
65°	4195	5042	5754
70°	3868	5058	5916
75°	3317	5145	6156
80°	2687	5353	6553
85°	1817	5789	7133



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	1.7
10°-20°	95.6	4.9
20°-30°	152.0	7.9
30°-40°	195.1	10.1
40°-50°	220.3	11.4
50°-60°	224.8	11.6
60°-70°	208.2	10.8
70°-80°	176.3	9.1
80°-90°	140.7	7.3
90°-100°	119.5	6.2
100°-110°	106.5	5.5
110°-120°	90.7	4.7
120°-130°	72.0	3.7
130°-140°	51.1	2.6
140°-150°	30.5	1.6
150°-160°	14.2	0.7
160°-170°	3.4	0.2
170°-180°	0.0	0.0
0°-30°	279.9	14.5
0°-40°	474.9	24.6
0°-60°	920.0	47.6
0°-90°	1445.2	74.8
90°-120°	316.6	16.4
90°-150°	470.2	24.3
90°-180°	488.0	25.2
0°-180°	1933.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	336	336	336	336	336	
5°	338	335	339	339	339	32
15°	326	328	340	346	349	92
25°	302	312	333	345	351	139
35°	267	286	317	337	345	167
45°	224	255	292	318	329	174
55°	182	212	259	291	304	160
65°	124	166	219	257	272	123
75°	66	116	178	221	237	70
85°	17	74	142	188	204	18
90°	1	61	127	173	188	1
95°	0	57	123	168	183	0
105°	0	53	112	154	169	0
115°	0	49	102	138	152	0
125°	0	42	90	122	134	0
135°	0	31	73	103	113	0
145°	0	20	51	77	88	0
155°	0	13	31	47	59	0
165°	0	7	14	20	28	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CATALOG NUMBER: 2SNLED-LD5-22SL-SLW-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	335.7	335.7	335.7	335.7	335.7
2.5°	338.8	335.2	337.1	336.6	334.7
5°	337.9	335.2	338.8	338.8	338.8
7.5°	336.1	334.3	339.3	341.1	341.6
10°	333.4	333.4	340.3	343.0	343.8
12.5°	329.7	331.1	340.3	344.3	346.5
15°	325.7	328.4	340.3	346.5	348.8
17.5°	320.6	325.2	339.3	347.0	350.2
20°	314.8	321.6	337.9	347.0	351.2
22.5°	308.4	317.1	336.1	346.1	351.2
25°	301.7	311.6	333.4	345.2	350.7
27.5°	293.4	306.2	330.2	343.8	350.2
30°	285.2	299.8	326.5	342.0	348.8
32.5°	276.2	292.9	322.0	339.3	347.0
35°	266.6	286.2	317.1	336.6	344.8
37.5°	257.0	278.0	312.1	332.9	342.0
40°	246.6	269.8	306.2	328.4	337.9
42.5°	238.9	261.2	299.8	323.8	333.9
45°	224.4	254.8	292.5	318.0	328.9
47.5°	213.0	242.6	285.2	312.1	323.3
50°	205.8	232.5	276.6	305.2	317.1
52.5°	188.5	225.8	268.4	298.5	311.1
55°	181.7	212.2	259.4	291.1	303.9
57.5°	163.0	202.6	250.3	283.0	296.1
60°	154.0	189.4	240.2	274.8	288.4
62.5°	139.9	178.1	230.3	265.7	279.8
65°	124.4	165.8	219.4	257.0	271.6
67.5°	109.9	153.6	209.0	248.0	263.4
70°	95.9	140.8	198.1	238.9	254.3
72.5°	79.4	128.1	187.5	230.3	245.8
75°	65.5	115.8	177.6	221.2	236.7
77.5°	51.7	104.1	168.0	213.0	228.5
80°	39.1	92.7	158.5	204.5	220.3
82.5°	27.2	83.1	149.9	196.2	211.7
85°	16.8	74.5	141.7	187.5	203.5
87.5°	7.7	66.8	133.5	179.4	195.7
90°	0.9	60.9	126.7	172.6	188.5
92.5°	0.5	59.1	124.0	169.4	184.8
95°	0.0	57.2	122.7	167.6	183.0
97.5°	0.0	55.4	119.5	164.9	180.8
100°	0.0	54.5	117.2	160.8	176.3
102.5°	0.0	53.2	114.5	157.1	172.6
105°	0.0	52.7	111.8	154.0	169.0
107.5°	0.0	51.7	109.0	149.9	164.9
110°	0.0	50.9	106.8	146.2	160.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	50.0	104.4	142.7	156.6
115°	0.0	49.0	101.7	138.5	152.1
117.5°	0.0	47.7	99.0	134.5	148.1
120°	0.0	45.8	96.3	130.8	143.5
122.5°	0.0	44.0	93.5	126.2	138.5
125°	0.0	42.3	90.3	122.2	134.0
127.5°	0.0	39.5	86.8	117.7	128.6
130°	0.0	36.8	82.2	113.1	123.6
132.5°	0.5	34.1	77.7	108.1	118.5
135°	0.0	31.4	72.7	103.1	112.6
137.5°	0.0	29.0	67.2	97.7	106.8
140°	0.0	26.4	61.8	91.3	100.9
142.5°	0.0	23.2	56.4	84.5	94.5
145°	0.0	20.5	50.9	77.2	88.1
147.5°	0.5	18.1	45.8	69.5	81.3
150°	0.5	16.3	40.9	61.8	73.5
152.5°	0.5	14.6	35.9	54.5	65.8
155°	0.5	12.7	31.4	47.2	58.6
157.5°	0.5	10.9	26.4	40.0	50.9
160°	0.5	9.6	21.8	33.6	43.6
162.5°	0.5	8.2	17.8	26.4	35.9
165°	0.5	6.9	14.1	19.5	27.7
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)