

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: P284455

Luminaire Tested: **2SNLED-LD5-22SL-SLW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284455
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-L830-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2210.0 lumens
Efficiency: N/A
Efficacy: 105.2 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

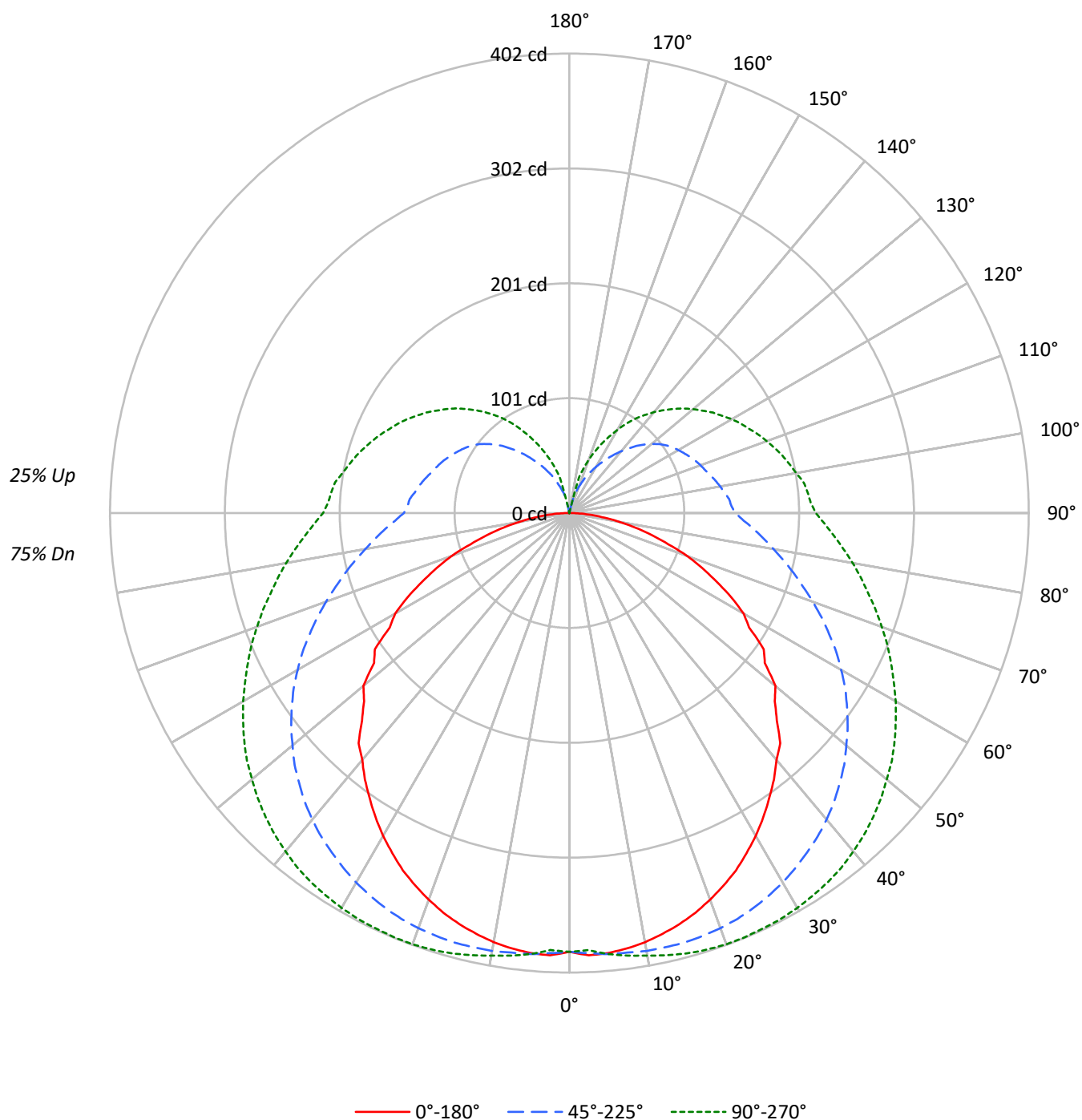
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6203	6203	6203
5°	6235	6118	6084
10°	6188	6054	6051
15°	6127	6010	6063
20°	6052	5973	6075
25°	5976	5940	6084
30°	5874	5910	6117
35°	5762	5878	6159
40°	5653	5863	6200
45°	5520	5836	6249
50°	5506	5809	6297
55°	5373	5793	6373
60°	5133	5780	6458
65°	4795	5764	6579
70°	4420	5783	6765
75°	3787	5884	7038
80°	3072	6119	7490
85°	2077	6618	8153



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	1.7
10°-20°	109.3	4.9
20°-30°	173.8	7.9
30°-40°	223.0	10.1
40°-50°	251.8	11.4
50°-60°	257.0	11.6
60°-70°	238.1	10.8
70°-80°	201.5	9.1
80°-90°	160.9	7.3
90°-100°	136.6	6.2
100°-110°	121.7	5.5
110°-120°	103.7	4.7
120°-130°	82.3	3.7
130°-140°	58.4	2.6
140°-150°	34.9	1.6
150°-160°	16.3	0.7
160°-170°	3.9	0.2
170°-180°	0.0	0.0
0°-30°	320.0	14.5
0°-40°	543.0	24.6
0°-60°	1051.8	47.6
0°-90°	1652.2	74.8
90°-120°	362.0	16.4
90°-150°	537.6	24.3
90°-180°	558.0	25.2
0°-180°	2210.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	384	384	384	384	384	
5°	386	383	387	387	387	37
15°	372	375	389	396	399	105
25°	345	356	381	395	401	159
35°	305	327	362	385	394	191
45°	257	291	334	364	376	199
55°	208	243	296	333	347	182
65°	142	190	251	294	310	141
75°	75	132	203	253	271	80
85°	19	85	162	214	233	21
90°	1	70	145	197	216	2
95°	0	65	140	192	209	0
105°	0	60	128	176	193	0
115°	0	56	116	158	174	0
125°	0	48	103	140	153	0
135°	0	36	83	118	129	0
145°	0	23	58	88	101	0
155°	1	15	36	54	67	0
165°	1	8	16	22	32	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°	383.8	383.8	383.8	383.8	383.8
2.5°	387.3	383.3	385.4	384.8	382.7
5°	386.4	383.3	387.3	387.3	387.3
7.5°	384.3	382.2	387.9	390.0	390.6
10°	381.2	381.2	389.0	392.1	393.1
12.5°	377.0	378.5	389.0	393.6	396.2
15°	372.3	375.4	389.0	396.2	398.8
17.5°	366.6	371.8	387.9	396.7	400.4
20°	359.9	367.7	386.4	396.7	401.5
22.5°	352.6	362.5	384.3	395.7	401.5
25°	344.9	356.2	381.2	394.6	400.9
27.5°	335.5	350.1	377.5	393.1	400.4
30°	326.1	342.8	373.3	391.0	398.8
32.5°	315.7	334.9	368.1	387.9	396.7
35°	304.8	327.2	362.5	384.8	394.2
37.5°	293.9	317.8	356.8	380.6	391.0
40°	282.0	308.4	350.1	375.4	386.4
42.5°	273.1	298.6	342.8	370.2	381.7
45°	256.6	291.3	334.4	363.5	376.0
47.5°	243.6	277.3	326.1	356.8	369.7
50°	235.3	265.8	316.3	348.9	362.5
52.5°	215.5	258.1	306.9	341.2	355.7
55°	207.7	242.6	296.5	332.8	347.4
57.5°	186.4	231.6	286.2	323.6	338.6
60°	176.0	216.5	274.7	314.2	329.7
62.5°	159.9	203.6	263.3	303.8	319.9
65°	142.2	189.6	250.8	293.9	310.5
67.5°	125.7	175.6	238.9	283.5	301.2
70°	109.6	161.0	226.5	273.1	290.8
72.5°	90.8	146.4	214.4	263.3	281.0
75°	74.8	132.4	203.1	252.9	270.6
77.5°	59.1	119.0	192.1	243.6	261.2
80°	44.7	105.9	181.2	233.7	251.8
82.5°	31.1	95.0	171.4	224.4	242.0
85°	19.2	85.2	162.0	214.4	232.6
87.5°	8.8	76.4	152.6	205.2	223.8
90°	1.0	69.6	144.9	197.3	215.5
92.5°	0.6	67.5	141.8	193.7	211.3
95°	0.0	65.4	140.3	191.6	209.2
97.5°	0.0	63.3	136.6	188.5	206.7
100°	0.0	62.4	134.0	183.9	201.5
102.5°	0.0	60.8	130.9	179.7	197.3
105°	0.0	60.3	127.8	176.0	193.2
107.5°	0.0	59.1	124.6	171.4	188.5
110°	0.0	58.2	122.1	167.2	183.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	57.2	119.4	163.1	179.1
115°	0.0	56.1	116.3	158.4	173.9
117.5°	0.0	54.5	113.2	153.7	169.3
120°	0.0	52.4	110.1	149.5	164.1
122.5°	0.0	50.3	106.9	144.3	158.4
125°	0.0	48.3	103.3	139.7	153.2
127.5°	0.0	45.1	99.2	134.5	147.0
130°	0.0	42.0	94.0	129.3	141.3
132.5°	0.6	39.0	88.8	123.6	135.5
135°	0.0	35.9	83.1	117.9	128.8
137.5°	0.0	33.2	76.8	111.7	122.1
140°	0.0	30.1	70.6	104.4	115.3
142.5°	0.0	26.5	64.5	96.6	108.0
145°	0.0	23.4	58.2	88.3	100.8
147.5°	0.6	20.7	52.4	79.5	92.9
150°	0.6	18.6	46.8	70.6	84.1
152.5°	0.6	16.7	41.1	62.4	75.3
155°	0.6	14.6	35.9	54.0	67.0
157.5°	0.6	12.5	30.1	45.7	58.2
160°	0.6	10.9	24.9	38.4	49.9
162.5°	0.6	9.4	20.3	30.1	41.1
165°	0.6	7.8	16.1	22.3	31.7
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)