

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: P284494

Luminaire Tested: **2SNLED-LD5-22SL-SLW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284494
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-L835-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2248.0 lumens
Efficiency: N/A
Efficacy: 107.0 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

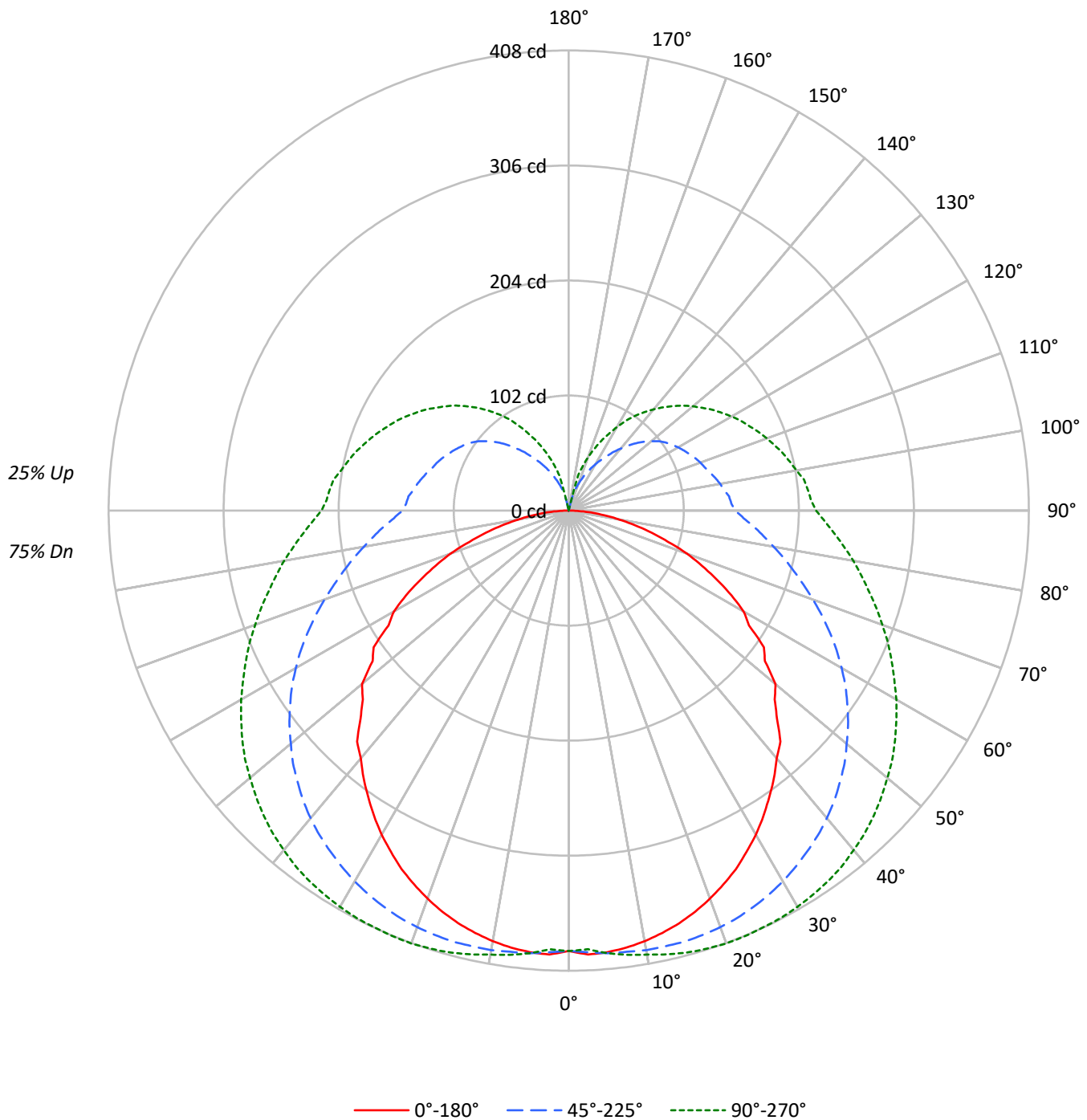
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	6310	6310	6310
5°	6341	6224	6189
10°	6293	6158	6154
15°	6232	6114	6168
20°	6157	6075	6180
25°	6079	6042	6189
30°	5975	6011	6223
35°	5860	5980	6265
40°	5749	5964	6305
45°	5615	5936	6357
50°	5600	5909	6407
55°	5466	5893	6483
60°	5221	5879	6570
65°	4880	5865	6693
70°	4497	5883	6881
75°	3853	5985	7160
80°	3127	6224	7621
85°	2109	6733	8293



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	1.7
10°-20°	111.2	4.9
20°-30°	176.7	7.9
30°-40°	226.8	10.1
40°-50°	256.2	11.4
50°-60°	261.4	11.6
60°-70°	242.1	10.8
70°-80°	205.0	9.1
80°-90°	163.6	7.3
90°-100°	139.0	6.2
100°-110°	123.8	5.5
110°-120°	105.5	4.7
120°-130°	83.7	3.7
130°-140°	59.4	2.6
140°-150°	35.5	1.6
150°-160°	16.5	0.7
160°-170°	3.9	0.2
170°-180°	0.0	0.0
0°-30°	325.5	14.5
0°-40°	552.3	24.6
0°-60°	1069.9	47.6
0°-90°	1680.7	74.8
90°-120°	368.2	16.4
90°-150°	546.9	24.3
90°-180°	567.0	25.2
0°-180°	2248.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	390	390	390	390	390	
5°	393	390	394	394	394	37
15°	379	382	396	403	406	107
25°	351	362	388	401	408	161
35°	310	333	369	391	401	194
45°	261	296	340	370	382	203
55°	211	247	302	338	353	185
65°	145	193	255	299	316	144
75°	76	135	207	257	275	81
85°	20	87	165	218	237	21
90°	1	71	147	201	219	2
95°	0	67	143	195	213	0
105°	0	61	130	179	197	0
115°	0	57	118	161	177	0
125°	0	49	105	142	156	0
135°	0	36	84	120	131	0
145°	0	24	59	90	102	0
155°	1	15	36	55	68	0
165°	1	8	16	23	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°	390.4	390.4	390.4	390.4	390.4
2.5°	394.0	389.9	392.0	391.4	389.3
5°	393.0	389.9	394.0	394.0	394.0
7.5°	390.9	388.7	394.6	396.7	397.3
10°	387.7	387.7	395.7	398.8	399.8
12.5°	383.5	385.0	395.7	400.4	403.0
15°	378.7	381.9	395.7	403.0	405.7
17.5°	372.9	378.2	394.6	403.5	407.3
20°	366.1	374.0	393.0	403.5	408.4
22.5°	358.6	368.8	390.9	402.6	408.4
25°	350.8	362.4	387.7	401.4	407.8
27.5°	341.3	356.1	384.0	399.8	407.3
30°	331.7	348.7	379.7	397.7	405.7
32.5°	321.2	340.7	374.5	394.6	403.5
35°	310.0	332.8	368.8	391.4	401.0
37.5°	298.9	323.3	362.9	387.2	397.7
40°	286.8	313.7	356.1	381.9	393.0
42.5°	277.8	303.8	348.7	376.6	388.3
45°	261.0	296.4	340.1	369.8	382.5
47.5°	247.7	282.1	331.7	362.9	376.0
50°	239.3	270.4	321.7	354.9	368.8
52.5°	219.2	262.6	312.2	347.1	361.8
55°	211.3	246.7	301.6	338.5	353.4
57.5°	189.6	235.6	291.1	329.1	344.4
60°	179.0	220.2	279.4	319.6	335.4
62.5°	162.6	207.1	267.8	309.0	325.4
65°	144.7	192.9	255.2	298.9	315.9
67.5°	127.9	178.6	243.0	288.4	306.3
70°	111.5	163.8	230.4	277.8	295.8
72.5°	92.4	149.0	218.1	267.8	285.8
75°	76.1	134.7	206.6	257.3	275.3
77.5°	60.2	121.0	195.4	247.7	265.7
80°	45.5	107.8	184.3	237.8	256.2
82.5°	31.6	96.6	174.3	228.2	246.2
85°	19.5	86.7	164.8	218.1	236.6
87.5°	9.0	77.7	155.2	208.7	227.6
90°	1.0	70.8	147.4	200.7	219.2
92.5°	0.6	68.7	144.3	197.0	215.0
95°	0.0	66.6	142.7	194.9	212.8
97.5°	0.0	64.4	139.0	191.7	210.3
100°	0.0	63.4	136.3	187.0	205.0
102.5°	0.0	61.9	133.1	182.7	200.7
105°	0.0	61.3	130.0	179.0	196.6
107.5°	0.0	60.2	126.7	174.3	191.7
110°	0.0	59.2	124.2	170.1	187.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	58.2	121.4	165.9	182.2
115°	0.0	57.0	118.3	161.1	176.9
117.5°	0.0	55.5	115.2	156.4	172.2
120°	0.0	53.3	112.0	152.1	166.9
122.5°	0.0	51.2	108.8	146.8	161.1
125°	0.0	49.2	105.1	142.1	155.8
127.5°	0.0	45.9	100.9	136.8	149.5
130°	0.0	42.8	95.6	131.6	143.7
132.5°	0.6	39.6	90.4	125.7	137.8
135°	0.0	36.5	84.5	119.9	131.0
137.5°	0.0	33.8	78.1	113.6	124.2
140°	0.0	30.6	71.8	106.2	117.3
142.5°	0.0	26.9	65.6	98.2	109.9
145°	0.0	23.8	59.2	89.8	102.5
147.5°	0.6	21.1	53.3	80.8	94.5
150°	0.6	19.0	47.6	71.8	85.5
152.5°	0.6	17.0	41.8	63.4	76.5
155°	0.6	14.8	36.5	54.9	68.1
157.5°	0.6	12.7	30.6	46.5	59.2
160°	0.6	11.1	25.4	39.1	50.7
162.5°	0.6	9.6	20.7	30.6	41.8
165°	0.6	8.0	16.4	22.7	32.2
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)