

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: P284533

Luminaire Tested: **2SNLED-LD5-22SL-SLW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284533
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-L840-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2286.0 lumens
Efficiency: N/A
Efficacy: 108.9 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

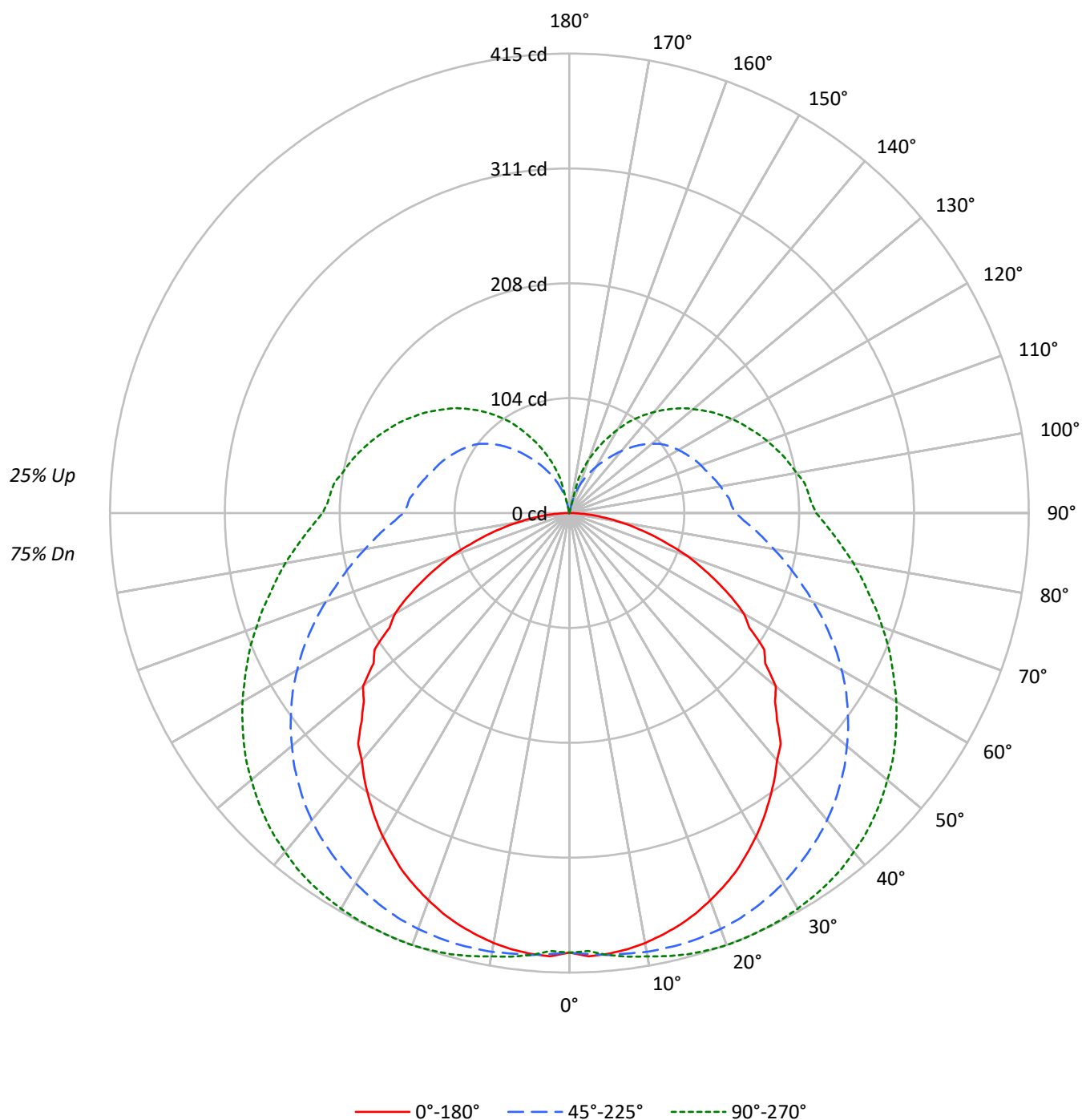
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P284533

CATALOG NUMBER: 2SNLED-LD5-22SL-SLW-UNV-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P284533

CATALOG NUMBER: 2SNLED-LD5-22SL-SLW-UNV-L840-CD1-U

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°	6416	6416	6416
5°	6448	6329	6294
10°	6400	6262	6259
15°	6337	6217	6271
20°	6259	6177	6284
25°	6181	6144	6294
30°	6076	6114	6327
35°	5960	6081	6371
40°	5848	6064	6411
45°	5709	6037	6463
50°	5696	6010	6515
55°	5557	5992	6591
60°	5311	5978	6682
65°	4961	5964	6805
70°	4573	5980	6997
75°	3919	6084	7280
80°	3175	6329	7749
85°	2153	6847	8433



TEST NUMBER: P284533

CATALOG NUMBER: 2SNLED-LD5-22SL-SLW-UNV-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	1.7
10°-20°	113.1	4.9
20°-30°	179.7	7.9
30°-40°	230.7	10.1
40°-50°	260.5	11.4
50°-60°	265.8	11.6
60°-70°	246.2	10.8
70°-80°	208.5	9.1
80°-90°	166.4	7.3
90°-100°	141.3	6.2
100°-110°	125.9	5.5
110°-120°	107.2	4.7
120°-130°	85.2	3.7
130°-140°	60.4	2.6
140°-150°	36.1	1.6
150°-160°	16.8	0.7
160°-170°	4.0	0.2
170°-180°	0.0	0.0
0°-30°	331.0	14.5
0°-40°	561.7	24.6
0°-60°	1087.9	47.6
0°-90°	1709.1	74.8
90°-120°	374.4	16.4
90°-150°	556.1	24.3
90°-180°	577.0	25.2
0°-180°	2286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	397	397	397	397	397	
5°	400	396	401	401	401	38
15°	385	388	402	410	412	109
25°	357	368	394	408	415	164
35°	315	338	375	398	408	197
45°	265	301	346	376	389	206
55°	215	251	307	344	359	189
65°	147	196	260	304	321	146
75°	77	137	210	262	280	82
85°	20	88	168	222	241	22
90°	1	72	150	204	223	2
95°	0	68	145	198	216	0
105°	0	62	132	182	200	0
115°	0	58	120	164	180	0
125°	0	50	107	144	158	0
135°	0	37	86	122	133	0
145°	0	24	60	91	104	0
155°	1	15	37	56	69	0
165°	1	8	17	23	33	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P284533

CATALOG NUMBER: 2SNLED-LD5-22SL-SLW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	397.0	397.0	397.0	397.0	397.0
2.5°	400.7	396.5	398.6	398.0	395.9
5°	399.6	396.5	400.7	400.7	400.7
7.5°	397.5	395.3	401.2	403.4	404.0
10°	394.3	394.3	402.4	405.6	406.6
12.5°	389.9	391.5	402.4	407.2	409.8
15°	385.1	388.3	402.4	409.8	412.5
17.5°	379.2	384.6	401.2	410.4	414.1
20°	372.2	380.4	399.6	410.4	415.3
22.5°	364.7	375.0	397.5	409.4	415.3
25°	356.7	368.5	394.3	408.2	414.7
27.5°	347.0	362.1	390.5	406.6	414.1
30°	337.3	354.6	386.2	404.4	412.5
32.5°	326.6	346.4	380.8	401.2	410.4
35°	315.3	338.5	375.0	398.0	407.8
37.5°	304.0	328.8	369.1	393.7	404.4
40°	291.7	319.0	362.1	388.3	399.6
42.5°	282.5	308.9	354.6	383.0	394.9
45°	265.4	301.4	345.9	376.0	388.9
47.5°	251.9	286.9	337.3	369.1	382.4
50°	243.4	275.0	327.2	360.9	375.0
52.5°	222.9	267.0	317.5	353.0	367.9
55°	214.8	250.9	306.7	344.3	359.3
57.5°	192.8	239.6	296.0	334.7	350.2
60°	182.1	224.0	284.1	325.0	341.1
62.5°	165.4	210.6	272.4	314.3	330.9
65°	147.1	196.1	259.5	304.0	321.2
67.5°	130.0	181.6	247.2	293.2	311.5
70°	113.4	166.6	234.2	282.5	300.8
72.5°	93.9	151.5	221.8	272.4	290.6
75°	77.4	137.0	210.0	261.6	279.9
77.5°	61.2	123.1	198.7	251.9	270.2
80°	46.2	109.6	187.4	241.8	260.5
82.5°	32.2	98.3	177.3	232.1	250.3
85°	19.9	88.1	167.6	221.8	240.6
87.5°	9.1	79.0	157.9	212.2	231.5
90°	1.0	72.0	149.9	204.1	222.9
92.5°	0.6	69.9	146.7	200.3	218.6
95°	0.0	67.7	145.1	198.2	216.4
97.5°	0.0	65.5	141.3	195.0	213.8
100°	0.0	64.5	138.6	190.2	208.4
102.5°	0.0	62.9	135.4	185.8	204.1
105°	0.0	62.3	132.2	182.1	199.9
107.5°	0.0	61.2	128.9	177.3	195.0
110°	0.0	60.2	126.3	172.9	190.2



TEST NUMBER: P284533

CATALOG NUMBER: 2SNLED-LD5-22SL-SLW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	59.1	123.5	168.7	185.3
115°	0.0	58.0	120.3	163.8	179.9
117.5°	0.0	56.4	117.1	159.0	175.1
120°	0.0	54.2	113.9	154.7	169.7
122.5°	0.0	52.0	110.6	149.3	163.8
125°	0.0	50.0	106.8	144.5	158.4
127.5°	0.0	46.7	102.6	139.2	152.1
130°	0.0	43.5	97.3	133.8	146.1
132.5°	0.6	40.3	91.9	127.9	140.2
135°	0.0	37.1	86.0	121.9	133.2
137.5°	0.0	34.4	79.4	115.5	126.3
140°	0.0	31.2	73.1	108.0	119.3
142.5°	0.0	27.4	66.7	99.9	111.8
145°	0.0	24.2	60.2	91.3	104.2
147.5°	0.6	21.5	54.2	82.2	96.1
150°	0.6	19.3	48.4	73.1	87.0
152.5°	0.6	17.2	42.5	64.5	77.8
155°	0.6	15.1	37.1	55.8	69.3
157.5°	0.6	12.9	31.2	47.3	60.2
160°	0.6	11.3	25.8	39.7	51.6
162.5°	0.6	9.7	21.0	31.2	42.5
165°	0.6	8.1	16.7	23.0	32.8
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)