

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: P284496

Luminaire Tested: **2SNLED-LD5-41HL-SLW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P284496
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-LD5-41HL-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: 4051.0 lumens
Efficiency: N/A
Efficacy: 112.5 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

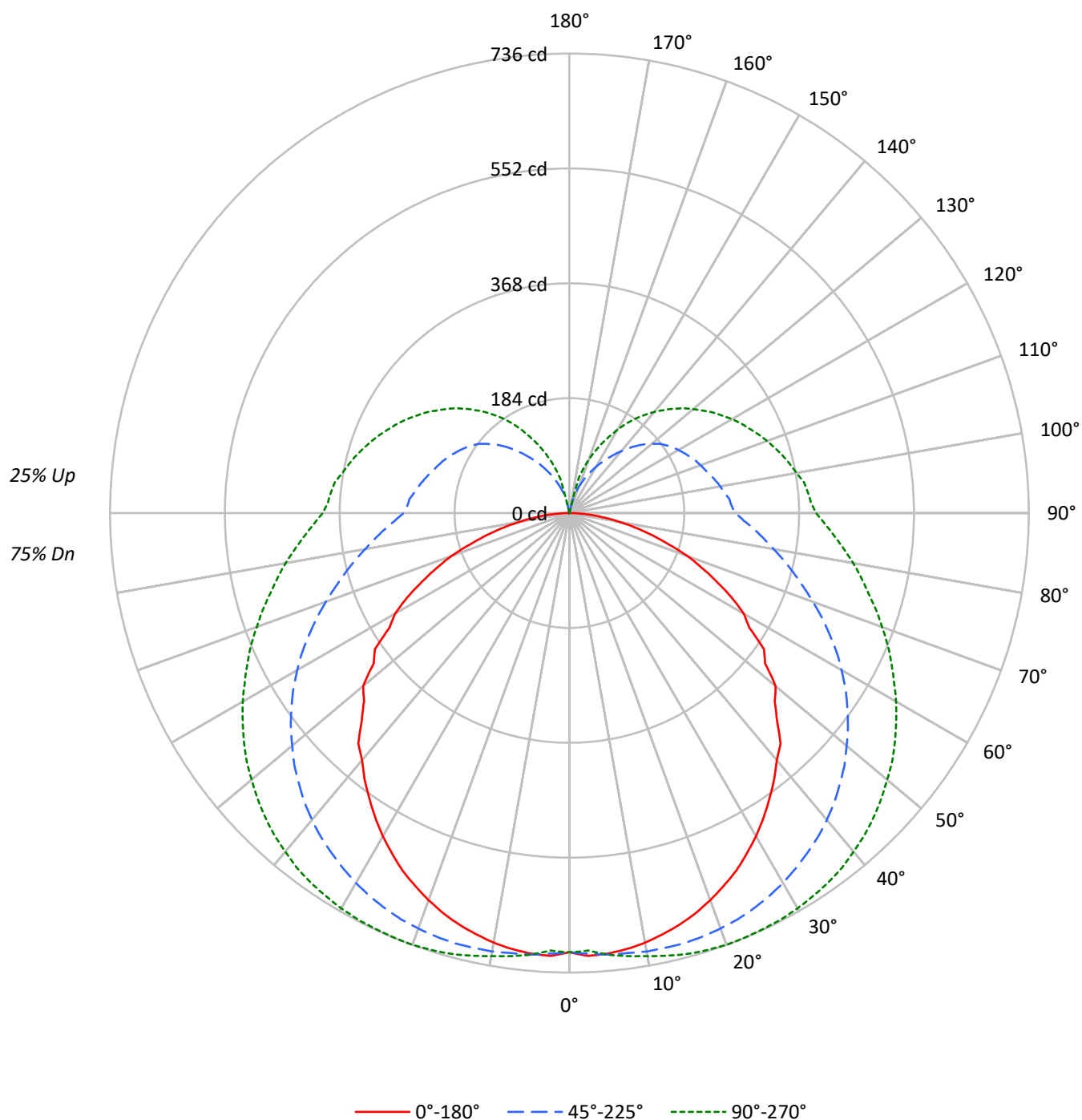
Input Watts (W): 36
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P284496

CATALOG NUMBER: 2SNLED-LD5-41HL-SLW-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P284496

CATALOG NUMBER: 2SNLED-LD5-41HL-SLW-UNV-L835-CD1-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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°	11372	11372	11372
5°	11427	11215	11153
10°	11342	11097	11090
15°	11232	11018	11115
20°	11094	10947	11136
25°	10955	10888	11153
30°	10766	10834	11214
35°	10561	10775	11290
40°	10360	10747	11363
45°	10117	10697	11453
50°	10093	10649	11544
55°	9848	10619	11681
60°	9409	10594	11839
65°	8792	10567	12060
70°	8102	10599	12399
75°	6947	10783	12900
80°	5628	11216	13731
85°	3807	12130	14946



TEST NUMBER: P284496

CATALOG NUMBER: 2SNLED-LD5-41HL-SLW-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	1.7
10°-20°	200.4	4.9
20°-30°	318.5	7.9
30°-40°	408.8	10.1
40°-50°	461.6	11.4
50°-60°	471.0	11.6
60°-70°	436.4	10.8
70°-80°	369.4	9.1
80°-90°	294.9	7.3
90°-100°	250.4	6.2
100°-110°	223.1	5.5
110°-120°	190.0	4.7
120°-130°	150.9	3.7
130°-140°	107.1	2.6
140°-150°	63.9	1.6
150°-160°	29.8	0.7
160°-170°	7.1	0.2
170°-180°	0.0	0.0
0°-30°	586.5	14.5
0°-40°	995.3	24.6
0°-60°	1927.9	47.6
0°-90°	3028.7	74.8
90°-120°	663.6	16.4
90°-150°	985.5	24.3
90°-180°	1022.0	25.2
0°-180°	4051.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	704	704	704	704	704	
5°	708	703	710	710	710	67
15°	682	688	713	726	731	193
25°	632	653	699	723	735	291
35°	559	600	664	705	723	350
45°	470	534	613	666	689	365
55°	381	445	544	610	637	334
65°	261	348	460	539	569	259
75°	137	243	372	464	496	146
85°	35	156	297	393	426	38
90°	2	128	266	362	395	3
95°	0	120	257	351	384	0
105°	0	110	234	323	354	0
115°	0	103	213	290	319	0
125°	0	89	189	256	281	0
135°	0	66	152	216	236	0
145°	0	43	107	162	185	0
155°	1	27	66	99	123	0
165°	1	14	30	41	58	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P284496

CATALOG NUMBER: 2SNLED-LD5-41HL-SLW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	703.6	703.6	703.6	703.6	703.6
2.5°	710.0	702.6	706.4	705.4	701.5
5°	708.2	702.6	710.0	710.0	710.0
7.5°	704.4	700.5	711.0	714.9	715.9
10°	698.7	698.7	713.1	718.7	720.5
12.5°	691.0	693.8	713.1	721.6	726.2
15°	682.5	688.2	713.1	726.2	731.1
17.5°	672.0	681.5	711.0	727.2	733.9
20°	659.7	674.0	708.2	727.2	735.9
22.5°	646.3	664.5	704.4	725.4	735.9
25°	632.2	653.0	698.7	723.4	734.9
27.5°	615.0	641.7	692.0	720.5	733.9
30°	597.7	628.3	684.3	716.7	731.1
32.5°	578.7	613.9	674.8	711.0	727.2
35°	558.7	599.8	664.5	705.4	722.6
37.5°	538.7	582.6	654.0	697.7	716.7
40°	516.8	565.4	641.7	688.2	708.2
42.5°	500.7	547.4	628.3	678.7	699.7
45°	470.3	534.0	612.9	666.3	689.2
47.5°	446.4	508.4	597.7	654.0	677.6
50°	431.3	487.3	579.8	639.6	664.5
52.5°	395.1	473.2	562.6	625.5	652.0
55°	380.7	444.7	543.5	610.1	636.8
57.5°	341.6	424.6	524.5	593.1	620.6
60°	322.6	396.9	503.5	575.9	604.4
62.5°	293.1	373.2	482.7	556.9	586.4
65°	260.7	347.6	459.8	538.7	569.2
67.5°	230.4	321.9	438.0	519.7	552.0
70°	200.9	295.2	415.1	500.7	533.0
72.5°	166.5	268.4	393.0	482.7	515.0
75°	137.2	242.7	372.2	463.7	496.0
77.5°	108.4	218.1	352.2	446.4	478.8
80°	81.9	194.2	332.1	428.5	461.6
82.5°	57.0	174.2	314.2	411.3	443.6
85°	35.2	156.2	296.9	393.0	426.4
87.5°	16.2	140.0	279.7	376.1	410.2
90°	1.8	127.7	265.6	361.7	395.1
92.5°	1.0	123.8	260.0	355.0	387.4
95°	0.0	120.0	257.1	351.1	383.5
97.5°	0.0	116.1	250.5	345.5	378.9
100°	0.0	114.3	245.6	337.0	369.4
102.5°	0.0	111.5	239.9	329.3	361.7
105°	0.0	110.5	234.3	322.6	354.2
107.5°	0.0	108.4	228.4	314.2	345.5
110°	0.0	106.6	223.7	306.5	337.0



TEST NUMBER: P284496

CATALOG NUMBER: 2SNLED-LD5-41HL-SLW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	104.8	218.9	299.0	328.3
115°	0.0	102.8	213.2	290.3	318.8
117.5°	0.0	99.9	207.6	281.8	310.3
120°	0.0	96.1	201.9	274.1	300.8
122.5°	0.0	92.2	196.0	264.6	290.3
125°	0.0	88.6	189.3	256.1	280.8
127.5°	0.0	82.7	181.9	246.6	269.5
130°	0.0	77.1	172.4	237.1	258.9
132.5°	1.0	71.4	162.9	226.6	248.4
135°	0.0	65.8	152.3	216.0	236.1
137.5°	0.0	60.9	140.8	204.7	223.7
140°	0.0	55.2	129.5	191.4	211.4
142.5°	0.0	48.5	118.2	177.0	198.1
145°	0.0	42.9	106.6	161.8	184.7
147.5°	1.0	38.0	96.1	145.6	170.3
150°	1.0	34.2	85.8	129.5	154.1
152.5°	1.0	30.6	75.3	114.3	137.9
155°	1.0	26.7	65.8	98.9	122.8
157.5°	1.0	22.9	55.2	83.7	106.6
160°	1.0	20.0	45.7	70.4	91.4
162.5°	1.0	17.2	37.2	55.2	75.3
165°	1.0	14.4	29.5	40.8	58.1
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)