

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: P#

Luminaire Tested: **4SNLED-LD5-27SL-SLW-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-27SL-SLW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

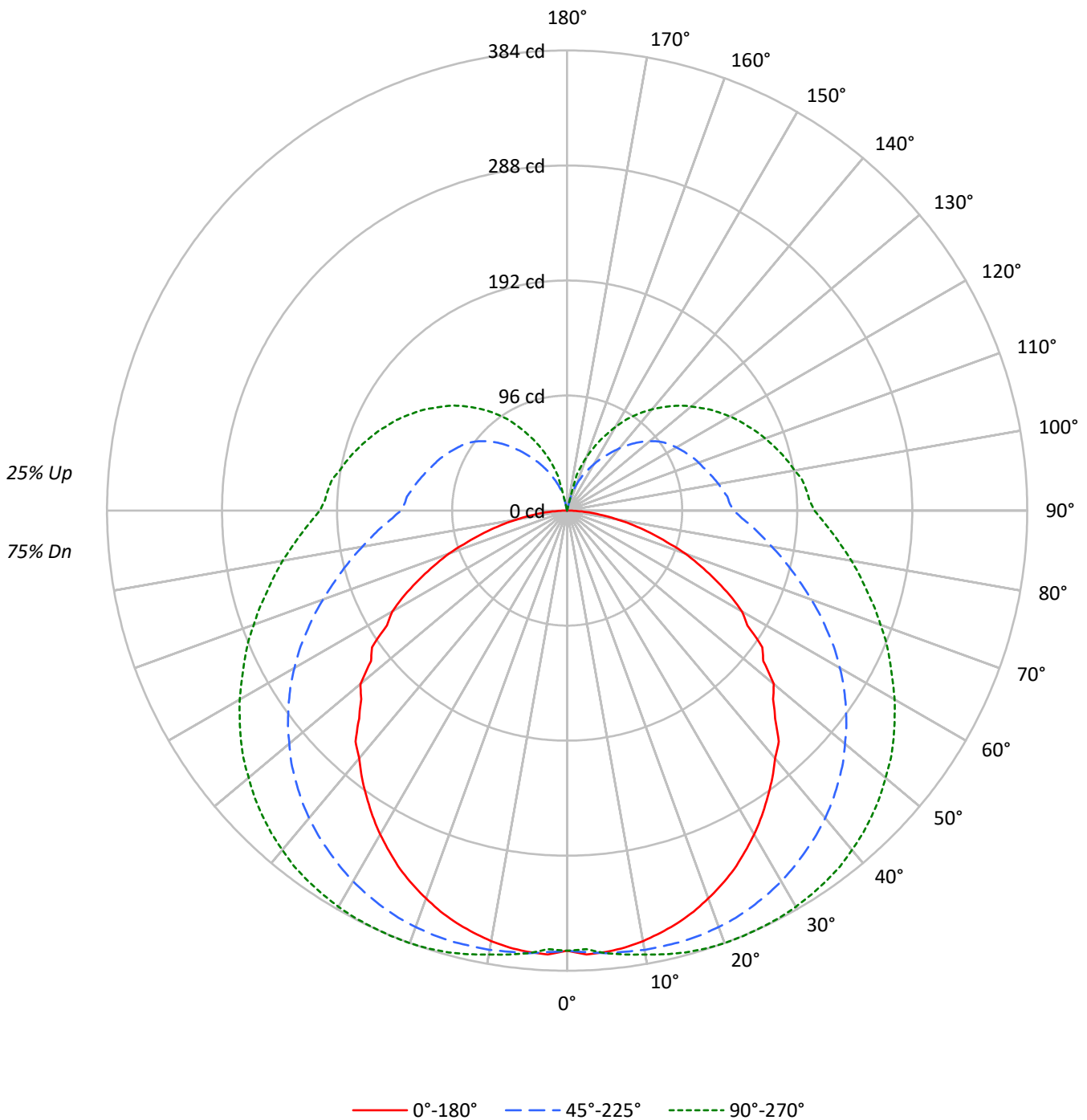
Lumens per Lamp: N/A
Luminaire Lumens: 2115.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

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	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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°	2968	2968	2968
5°	2992	2934	2912
10°	2977	2907	2895
15°	2956	2891	2901
20°	2928	2879	2907
25°	2900	2868	2912
30°	2861	2859	2927
35°	2816	2849	2947
40°	2774	2847	2967
45°	2721	2841	2990
50°	2728	2834	3013
55°	2681	2834	3050
60°	2583	2836	3091
65°	2441	2839	3148
70°	2283	2860	3237
75°	2002	2926	3367
80°	1688	3067	3584
85°	1257	3355	3903



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.3	1.7
10°-20°	104.6	4.9
20°-30°	166.3	7.9
30°-40°	213.4	10.1
40°-50°	241.0	11.4
50°-60°	245.9	11.6
60°-70°	227.8	10.8
70°-80°	192.9	9.1
80°-90°	154.0	7.3
90°-100°	130.7	6.2
100°-110°	116.5	5.5
110°-120°	99.2	4.7
120°-130°	78.8	3.7
130°-140°	55.9	2.6
140°-150°	33.4	1.6
150°-160°	15.6	0.7
160°-170°	3.7	0.2
170°-180°	0.0	0.0
0°-30°	306.2	14.5
0°-40°	519.7	24.6
0°-60°	1006.6	47.6
0°-90°	1581.3	74.8
90°-120°	346.4	16.4
90°-150°	514.5	24.3
90°-180°	534.0	25.2
0°-180°	2115.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	367	367	367	367	367	
5°	370	367	371	371	371	35
15°	356	359	372	379	382	101
25°	330	341	365	378	384	152
35°	292	313	347	368	377	183
45°	246	279	320	348	360	191
55°	199	232	284	319	332	175
65°	136	181	240	281	297	135
75°	72	127	194	242	259	76
85°	18	82	155	205	223	20
90°	1	67	139	189	206	1
95°	0	63	134	183	200	0
105°	0	58	122	168	185	0
115°	0	54	111	152	166	0
125°	0	46	99	134	147	0
135°	0	34	80	113	123	0
145°	0	22	56	84	96	0
155°	0	14	34	52	64	0
165°	0	8	15	21	30	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°	367.3	367.3	367.3	367.3	367.3
2.5°	370.8	366.8	368.8	368.3	366.3
5°	369.8	366.8	370.8	370.8	370.8
7.5°	367.8	365.8	371.3	373.2	373.7
10°	364.8	364.8	372.2	375.2	376.2
12.5°	360.8	362.3	372.2	376.7	379.2
15°	356.3	359.3	372.2	379.2	381.7
17.5°	350.9	355.8	371.3	379.7	383.2
20°	344.4	351.9	369.8	379.7	384.2
22.5°	337.5	346.9	367.8	378.7	384.2
25°	330.0	340.9	364.8	377.7	383.7
27.5°	321.1	335.0	361.3	376.2	383.2
30°	312.1	328.0	357.3	374.2	381.7
32.5°	302.2	320.6	352.4	371.3	379.7
35°	291.7	313.1	346.9	368.3	377.2
37.5°	281.3	304.2	341.4	364.3	374.2
40°	269.9	295.2	335.0	359.3	369.8
42.5°	261.4	285.8	328.0	354.4	365.3
45°	245.5	278.8	320.1	347.9	359.8
47.5°	233.1	265.4	312.1	341.4	353.9
50°	225.1	254.5	302.7	334.0	346.9
52.5°	206.3	247.0	293.7	326.5	340.4
55°	198.8	232.1	283.8	318.6	332.5
57.5°	178.4	221.7	273.8	309.6	324.0
60°	168.5	207.2	262.9	300.7	315.6
62.5°	153.1	194.8	252.0	290.7	306.1
65°	136.2	181.4	240.0	281.3	297.2
67.5°	120.3	168.0	228.6	271.4	288.3
70°	104.9	154.1	216.7	261.4	278.3
72.5°	87.0	140.2	205.3	252.0	268.9
75°	71.6	126.7	194.3	242.0	258.9
77.5°	56.7	113.8	183.9	233.1	250.0
80°	42.7	101.4	173.4	223.6	241.0
82.5°	29.8	90.9	164.0	214.7	231.6
85°	18.4	81.5	155.1	205.3	222.7
87.5°	8.4	73.1	146.1	196.3	214.2
90°	1.0	66.6	138.7	188.9	206.3
92.5°	0.5	64.6	135.7	185.4	202.3
95°	0.0	62.6	134.2	183.4	200.3
97.5°	0.0	60.6	130.7	180.4	197.8
100°	0.0	59.6	128.2	175.9	192.8
102.5°	0.0	58.1	125.2	172.0	188.9
105°	0.0	57.7	122.3	168.5	184.9
107.5°	0.0	56.7	119.3	164.0	180.4
110°	0.0	55.7	116.8	160.0	175.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	54.7	114.3	156.1	171.5
115°	0.0	53.7	111.3	151.6	166.5
117.5°	0.0	52.2	108.3	147.1	162.0
120°	0.0	50.2	105.4	143.1	157.0
122.5°	0.0	48.2	102.4	138.2	151.6
125°	0.0	46.2	98.9	133.7	146.6
127.5°	0.0	43.2	94.9	128.7	140.6
130°	0.0	40.3	90.0	123.8	135.2
132.5°	0.5	37.3	85.0	118.3	129.7
135°	0.0	34.3	79.5	112.8	123.3
137.5°	0.0	31.8	73.6	106.9	116.8
140°	0.0	28.8	67.6	99.9	110.3
142.5°	0.0	25.3	61.6	92.4	103.4
145°	0.0	22.4	55.7	84.5	96.4
147.5°	0.5	19.9	50.2	76.0	89.0
150°	0.5	17.9	44.7	67.6	80.5
152.5°	0.5	15.9	39.3	59.6	72.1
155°	0.5	13.9	34.3	51.7	64.1
157.5°	0.5	11.9	28.8	43.7	55.7
160°	0.5	10.4	23.9	36.8	47.7
162.5°	0.5	8.9	19.4	28.8	39.3
165°	0.5	7.5	15.4	21.4	30.3
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)