

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-LD5-77SL-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-LD5-77SL-SLW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

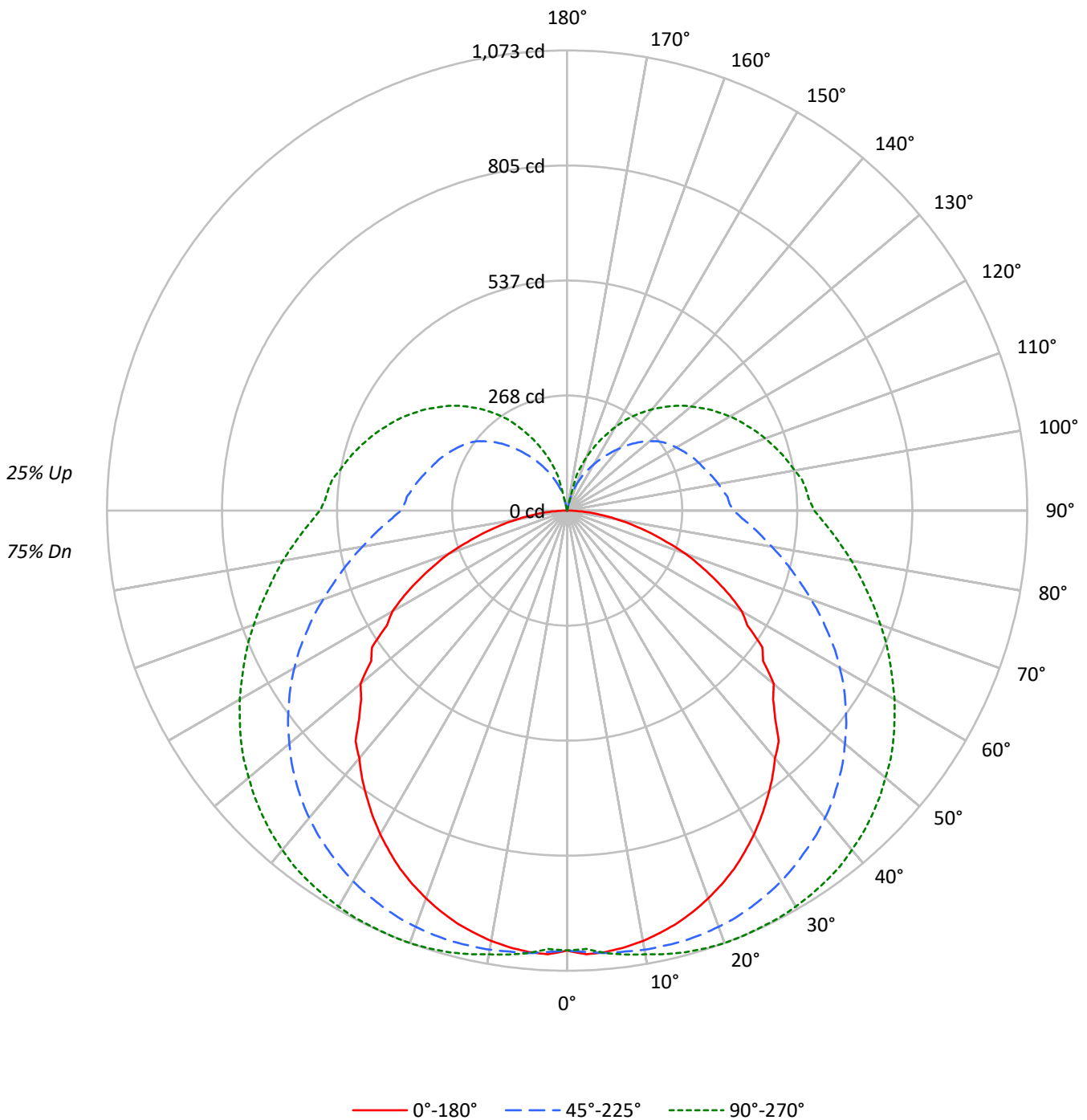
Lumens per Lamp: N/A
Luminaire Lumens: 5908.0 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 85
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°	8290	8290	8290
5°	8356	8195	8134
10°	8316	8121	8088
15°	8258	8077	8105
20°	8181	8041	8119
25°	8101	8012	8133
30°	7991	7988	8177
35°	7867	7957	8231
40°	7749	7952	8286
45°	7600	7936	8352
50°	7623	7917	8417
55°	7489	7917	8519
60°	7215	7923	8635
65°	6817	7931	8795
70°	6373	7990	9042
75°	5590	8175	9406
80°	4720	8571	10014
85°	3512	9368	10901



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	1.7
10°-20°	292.3	4.9
20°-30°	464.5	7.9
30°-40°	596.2	10.1
40°-50°	673.2	11.4
50°-60°	686.9	11.6
60°-70°	636.4	10.8
70°-80°	538.8	9.1
80°-90°	430.1	7.3
90°-100°	365.2	6.2
100°-110°	325.4	5.5
110°-120°	277.1	4.7
120°-130°	220.1	3.7
130°-140°	156.1	2.6
140°-150°	93.2	1.6
150°-160°	43.5	0.7
160°-170°	10.3	0.2
170°-180°	0.0	0.0
0°-30°	855.4	14.5
0°-40°	1451.6	24.6
0°-60°	2811.7	47.6
0°-90°	4417.0	74.8
90°-120°	967.7	16.4
90°-150°	1437.2	24.3
90°-180°	1491.0	25.2
0°-180°	5908.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1026	1026	1026	1026	1026	
5°	1033	1025	1036	1036	1036	98
15°	995	1004	1040	1059	1066	281
25°	922	952	1019	1055	1072	424
35°	815	875	969	1029	1054	510
45°	686	779	894	972	1005	533
55°	555	648	793	890	929	488
65°	380	507	670	786	830	377
75°	200	354	543	676	723	213
85°	51	228	433	573	622	56
90°	3	186	387	528	576	4
95°	0	175	375	512	560	0
105°	0	161	342	471	516	0
115°	0	150	311	423	465	0
125°	0	129	276	373	410	0
135°	0	96	222	315	344	0
145°	0	62	156	236	269	1
155°	1	39	96	144	179	1
165°	1	21	43	60	85	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°	1025.9	1025.9	1025.9	1025.9	1025.9
2.5°	1035.7	1024.6	1030.1	1028.7	1023.2
5°	1032.9	1024.6	1035.7	1035.7	1035.7
7.5°	1027.3	1021.8	1037.0	1042.6	1044.0
10°	1019.0	1019.0	1039.8	1048.2	1050.9
12.5°	1007.9	1012.1	1039.8	1052.3	1059.3
15°	995.4	1003.7	1039.8	1059.3	1066.2
17.5°	980.1	994.0	1037.0	1060.6	1070.4
20°	962.1	982.9	1032.9	1060.6	1073.1
22.5°	942.6	969.0	1027.3	1057.9	1073.1
25°	921.8	952.4	1019.0	1055.1	1071.8
27.5°	896.8	935.7	1009.3	1050.9	1070.4
30°	871.8	916.3	998.2	1045.4	1066.2
32.5°	844.1	895.4	984.3	1037.0	1060.6
35°	814.9	874.6	969.0	1028.7	1053.7
37.5°	785.8	849.6	953.8	1017.6	1045.4
40°	753.8	824.6	935.7	1003.7	1032.9
42.5°	730.2	798.3	916.3	989.8	1020.4
45°	685.8	778.8	894.1	971.8	1005.1
47.5°	651.1	741.3	871.8	953.8	988.5
50°	628.9	710.8	845.5	932.9	969.0
52.5°	576.1	690.0	820.5	912.1	951.0
55°	555.3	648.3	792.7	889.9	928.8
57.5°	498.4	619.2	764.9	864.9	905.2
60°	470.6	578.9	734.4	839.9	881.6
62.5°	427.6	544.2	703.9	812.1	855.2
65°	380.4	506.7	670.5	785.8	830.2
67.5°	336.0	469.2	638.6	758.0	805.2
70°	292.9	430.4	605.3	730.2	777.4
72.5°	242.9	391.5	573.4	703.9	751.1
75°	199.9	354.0	542.8	676.1	723.3
77.5°	158.3	317.9	513.7	651.1	698.3
80°	119.4	283.2	484.5	624.7	673.3
82.5°	83.3	254.1	458.1	599.7	646.9
85°	51.4	227.7	433.1	573.4	622.0
87.5°	23.6	204.1	408.2	548.4	598.4
90°	2.8	186.0	387.3	527.5	576.1
92.5°	1.4	180.5	379.0	517.8	565.0
95°	0.0	174.9	374.8	512.3	559.5
97.5°	0.0	169.4	365.1	503.9	552.5
100°	0.0	166.6	358.2	491.5	538.7
102.5°	0.0	162.4	349.8	480.3	527.5
105°	0.0	161.0	341.5	470.6	516.4
107.5°	0.0	158.3	333.2	458.1	503.9
110°	0.0	155.5	326.2	447.0	491.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	152.7	319.3	435.9	479.0
115°	0.0	149.9	311.0	423.4	465.1
117.5°	0.0	145.8	302.6	410.9	452.6
120°	0.0	140.2	294.3	399.8	438.7
122.5°	0.0	134.7	286.0	385.9	423.4
125°	0.0	129.1	276.3	373.4	409.5
127.5°	0.0	120.8	265.2	359.6	392.9
130°	0.0	112.5	251.3	345.7	377.6
132.5°	1.4	104.1	237.4	330.4	362.3
135°	0.0	95.8	222.1	315.1	344.3
137.5°	0.0	88.9	205.5	298.5	326.2
140°	0.0	80.5	188.8	279.0	308.2
142.5°	0.0	70.8	172.1	258.2	288.8
145°	0.0	62.5	155.5	236.0	269.3
147.5°	1.4	55.5	140.2	212.4	248.5
150°	1.4	50.0	124.9	188.8	224.9
152.5°	1.4	44.4	109.7	166.6	201.3
155°	1.4	38.9	95.8	144.4	179.1
157.5°	1.4	33.3	80.5	122.2	155.5
160°	1.4	29.2	66.6	102.7	133.3
162.5°	1.4	25.0	54.1	80.5	109.7
165°	1.4	20.8	43.0	59.7	84.7
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)