

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: **8SNLED-LD5-61SL-SLW-UNV-L930-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: 8SNLED-LD5-61SL-SLW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

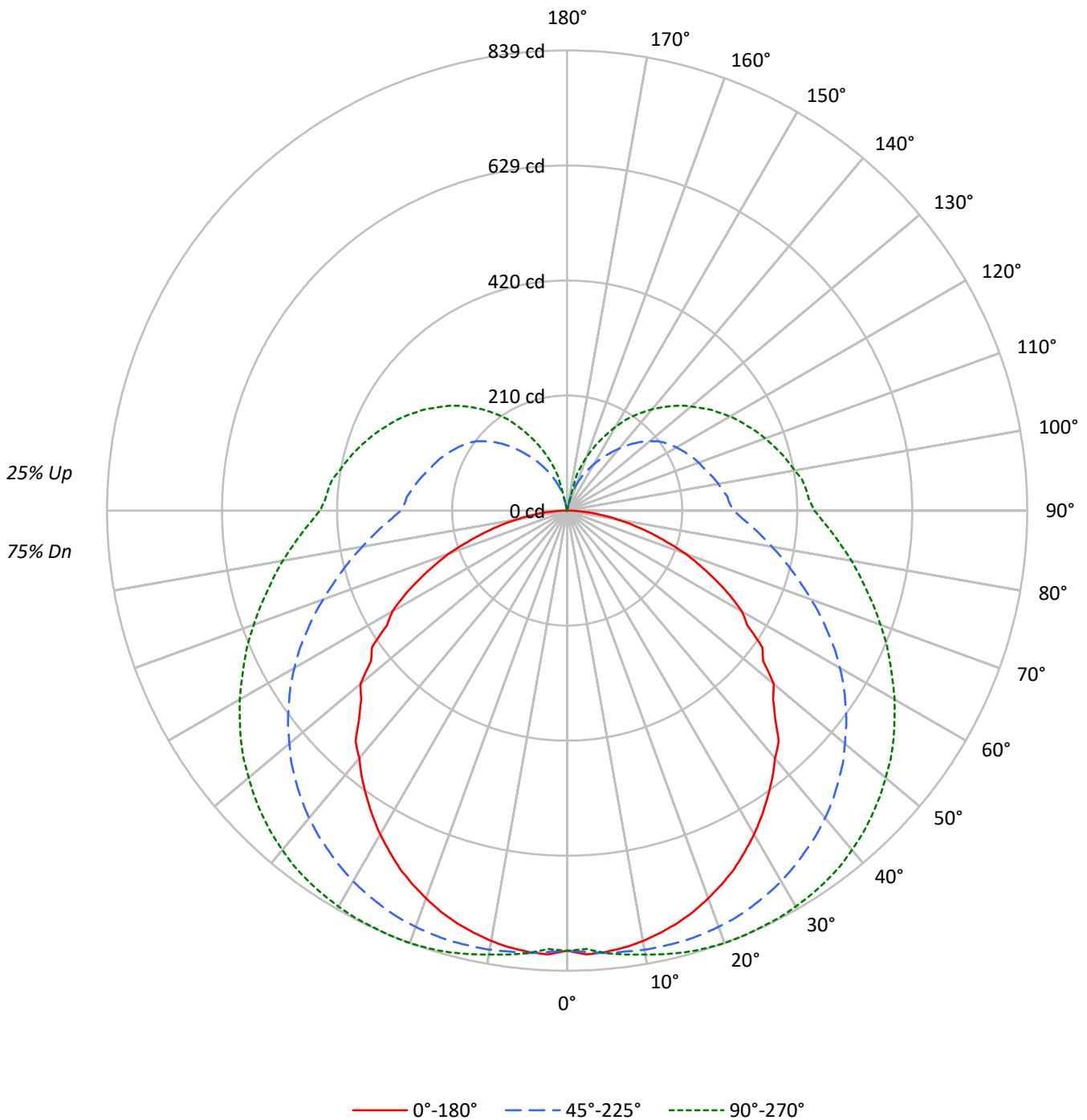
Lumens per Lamp: N/A
Luminaire Lumens: 4620.0 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 50
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°	3242	3242	3242
5°	3272	3207	3180
10°	3260	3181	3162
15°	3243	3167	3169
20°	3216	3155	3175
25°	3191	3147	3180
30°	3153	3141	3197
35°	3109	3132	3218
40°	3069	3133	3240
45°	3017	3130	3266
50°	3035	3126	3291
55°	2992	3131	3331
60°	2895	3138	3376
65°	2752	3147	3439
70°	2595	3178	3535
75°	2306	3262	3678
80°	1996	3433	3915
85°	1581	3774	4262



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.7
10°-20°	228.6	4.9
20°-30°	363.2	7.9
30°-40°	466.2	10.1
40°-50°	526.4	11.4
50°-60°	537.2	11.6
60°-70°	497.7	10.8
70°-80°	421.3	9.1
80°-90°	336.3	7.3
90°-100°	285.6	6.2
100°-110°	254.4	5.5
110°-120°	216.7	4.7
120°-130°	172.1	3.7
130°-140°	122.1	2.6
140°-150°	72.9	1.6
150°-160°	34.0	0.7
160°-170°	8.1	0.2
170°-180°	0.0	0.0
0°-30°	668.9	14.5
0°-40°	1135.1	24.6
0°-60°	2198.8	47.6
0°-90°	3454.1	74.8
90°-120°	756.7	16.4
90°-150°	1123.9	24.3
90°-180°	1166.0	25.2
0°-180°	4620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	808	801	810	810	810	77
15°	778	785	813	828	834	220
25°	721	745	797	825	838	332
35°	637	684	758	804	824	399
45°	536	609	699	760	786	417
55°	434	507	620	696	726	381
65°	298	396	524	614	649	295
75°	156	277	424	529	566	166
85°	40	178	339	448	486	44
90°	2	146	303	412	450	3
95°	0	137	293	401	438	0
105°	0	126	267	368	404	0
115°	0	117	243	331	364	0
125°	0	101	216	292	320	0
135°	0	75	174	246	269	0
145°	0	49	122	185	211	0
155°	1	30	75	113	140	1
165°	1	16	34	47	66	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°	802.3	802.3	802.3	802.3	802.3
2.5°	809.9	801.2	805.5	804.4	800.1
5°	807.7	801.2	809.9	809.9	809.9
7.5°	803.4	799.0	811.0	815.3	816.4
10°	796.8	796.8	813.1	819.6	821.8
12.5°	788.2	791.4	813.1	822.9	828.3
15°	778.4	784.9	813.1	828.3	833.8
17.5°	766.5	777.3	811.0	829.4	837.0
20°	752.3	768.6	807.7	829.4	839.2
22.5°	737.1	757.8	803.4	827.2	839.2
25°	720.9	744.7	796.8	825.1	838.1
27.5°	701.3	731.7	789.2	821.8	837.0
30°	681.8	716.5	780.6	817.5	833.8
32.5°	660.1	700.2	769.7	811.0	829.4
35°	637.3	683.9	757.8	804.4	824.0
37.5°	614.5	664.4	745.8	795.8	817.5
40°	589.5	644.9	731.7	784.9	807.7
42.5°	571.0	624.2	716.5	774.1	797.9
45°	536.3	609.0	699.1	759.9	786.0
47.5°	509.2	579.7	681.8	745.8	773.0
50°	491.8	555.8	661.1	729.5	757.8
52.5°	450.5	539.6	641.6	713.3	743.7
55°	434.2	507.0	619.9	695.9	726.3
57.5°	389.7	484.2	598.2	676.3	707.8
60°	368.0	452.7	574.3	656.8	689.4
62.5°	334.4	425.6	550.4	635.1	668.7
65°	297.5	396.3	524.4	614.5	649.2
67.5°	262.7	366.9	499.4	592.8	629.7
70°	229.1	336.5	473.3	571.0	607.9
72.5°	190.0	306.1	448.4	550.4	587.3
75°	156.3	276.8	424.5	528.7	565.6
77.5°	123.8	248.6	401.7	509.2	546.1
80°	93.4	221.5	378.9	488.5	526.5
82.5°	65.1	198.7	358.3	469.0	505.9
85°	40.2	178.0	338.7	448.4	486.4
87.5°	18.5	159.6	319.2	428.8	467.9
90°	2.2	145.5	302.9	412.5	450.5
92.5°	1.1	141.1	296.4	404.9	441.8
95°	0.0	136.8	293.1	400.6	437.5
97.5°	0.0	132.4	285.5	394.1	432.1
100°	0.0	130.3	280.1	384.3	421.2
102.5°	0.0	127.0	273.6	375.6	412.5
105°	0.0	125.9	267.1	368.0	403.9
107.5°	0.0	123.8	260.5	358.3	394.1
110°	0.0	121.6	255.1	349.6	384.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	119.4	249.7	340.9	374.5
115°	0.0	117.2	243.2	331.1	363.7
117.5°	0.0	114.0	236.7	321.3	353.9
120°	0.0	109.6	230.2	312.7	343.1
122.5°	0.0	105.3	223.6	301.8	331.1
125°	0.0	101.0	216.0	292.0	320.3
127.5°	0.0	94.4	207.4	281.2	307.2
130°	0.0	87.9	196.5	270.3	295.3
132.5°	1.1	81.4	185.6	258.4	283.3
135°	0.0	74.9	173.7	246.4	269.2
137.5°	0.0	69.5	160.7	233.4	255.1
140°	0.0	63.0	147.6	218.2	241.0
142.5°	0.0	55.4	134.6	201.9	225.8
145°	0.0	48.9	121.6	184.6	210.6
147.5°	1.1	43.4	109.6	166.1	194.3
150°	1.1	39.1	97.7	147.6	175.9
152.5°	1.1	34.7	85.8	130.3	157.4
155°	1.1	30.4	74.9	112.9	140.0
157.5°	1.1	26.1	63.0	95.5	121.6
160°	1.1	22.8	52.1	80.3	104.2
162.5°	1.1	19.5	42.3	63.0	85.8
165°	1.1	16.3	33.7	46.7	66.2
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)