

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-LD5-81SL-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-LD5-81SL-SLW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

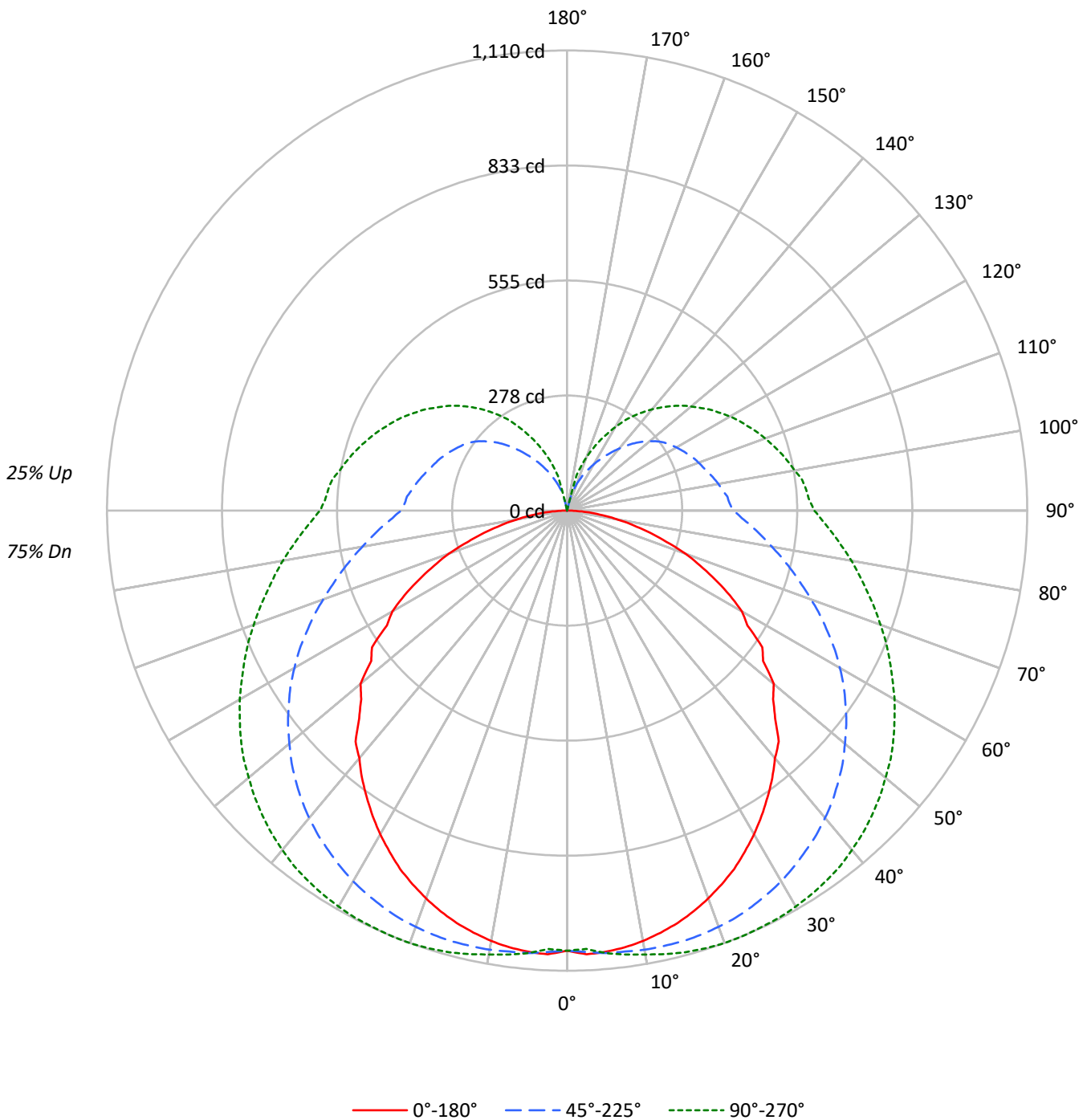
Lumens per Lamp: N/A
Luminaire Lumens: 6112.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 69
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°	4289	4289	4289
5°	4328	4243	4207
10°	4313	4208	4184
15°	4290	4189	4192
20°	4255	4174	4200
25°	4221	4163	4207
30°	4170	4155	4230
35°	4114	4143	4258
40°	4060	4144	4286
45°	3992	4140	4320
50°	4015	4136	4354
55°	3959	4142	4406
60°	3831	4152	4466
65°	3640	4164	4549
70°	3432	4204	4678
75°	3051	4315	4866
80°	2640	4541	5180
85°	2089	4993	5638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	1.7
10°-20°	302.4	4.9
20°-30°	480.5	7.9
30°-40°	616.8	10.1
40°-50°	696.5	11.4
50°-60°	710.7	11.6
60°-70°	658.4	10.8
70°-80°	557.4	9.1
80°-90°	444.9	7.3
90°-100°	377.8	6.2
100°-110°	336.6	5.5
110°-120°	286.7	4.7
120°-130°	227.7	3.7
130°-140°	161.5	2.6
140°-150°	96.4	1.6
150°-160°	45.0	0.7
160°-170°	10.7	0.2
170°-180°	0.0	0.0
0°-30°	884.9	14.5
0°-40°	1501.7	24.6
0°-60°	2908.8	47.6
0°-90°	4569.5	74.8
90°-120°	1001.1	16.4
90°-150°	1486.8	24.3
90°-180°	1542.0	25.2
0°-180°	6112.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1068	1060	1071	1071	1071	102
15°	1030	1038	1076	1096	1103	291
25°	954	985	1054	1092	1109	439
35°	843	905	1002	1064	1090	528
45°	710	806	925	1005	1040	551
55°	574	671	820	921	961	504
65°	394	524	694	813	859	391
75°	207	366	562	699	748	220
85°	53	236	448	593	643	58
90°	3	192	401	546	596	4
95°	0	181	388	530	579	0
105°	0	167	353	487	534	0
115°	0	155	322	438	481	0
125°	0	134	286	386	424	0
135°	0	99	230	326	356	0
145°	0	65	161	244	279	1
155°	1	40	99	149	185	1
165°	1	22	44	62	88	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1061.4	1061.4	1061.4	1061.4	1061.4
2.5°	1071.4	1059.9	1065.7	1064.2	1058.5
5°	1068.5	1059.9	1071.4	1071.4	1071.4
7.5°	1062.8	1057.1	1072.9	1078.6	1080.0
10°	1054.2	1054.2	1075.7	1084.3	1087.2
12.5°	1042.7	1047.0	1075.7	1088.7	1095.8
15°	1029.8	1038.4	1075.7	1095.8	1103.0
17.5°	1014.0	1028.3	1072.9	1097.3	1107.3
20°	995.3	1016.8	1068.5	1097.3	1110.2
22.5°	975.2	1002.5	1062.8	1094.4	1110.2
25°	953.7	985.2	1054.2	1091.5	1108.8
27.5°	927.8	968.0	1044.1	1087.2	1107.3
30°	901.9	947.9	1032.6	1081.5	1103.0
32.5°	873.2	926.4	1018.3	1072.9	1097.3
35°	843.1	904.8	1002.5	1064.2	1090.1
37.5°	812.9	879.0	986.7	1052.7	1081.5
40°	779.9	853.1	968.0	1038.4	1068.5
42.5°	755.5	825.8	947.9	1024.0	1055.6
45°	709.5	805.7	924.9	1005.4	1039.8
47.5°	673.6	766.9	901.9	986.7	1022.6
50°	650.6	735.3	874.7	965.1	1002.5
52.5°	596.0	713.8	848.8	943.6	983.8
55°	574.5	670.7	820.1	920.6	960.8
57.5°	515.6	640.6	791.4	894.8	936.4
60°	486.9	598.9	759.8	868.9	912.0
62.5°	442.4	563.0	728.2	840.2	884.7
65°	393.5	524.2	693.7	812.9	858.9
67.5°	347.6	485.4	660.7	784.2	833.0
70°	303.0	445.2	626.2	755.5	804.3
72.5°	251.3	405.0	593.2	728.2	777.0
75°	206.8	366.2	561.6	699.4	748.3
77.5°	163.7	328.9	531.4	673.6	722.4
80°	123.5	293.0	501.2	646.3	696.6
82.5°	86.2	262.8	474.0	620.4	669.3
85°	53.1	235.5	448.1	593.2	643.4
87.5°	24.4	211.1	422.2	567.3	619.0
90°	2.9	192.5	400.7	545.8	596.0
92.5°	1.4	186.7	392.1	535.7	584.5
95°	0.0	181.0	387.8	530.0	578.8
97.5°	0.0	175.2	377.7	521.3	571.6
100°	0.0	172.3	370.5	508.4	557.3
102.5°	0.0	168.0	361.9	496.9	545.8
105°	0.0	166.6	353.3	486.9	534.3
107.5°	0.0	163.7	344.7	474.0	521.3
110°	0.0	160.9	337.5	462.5	508.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	158.0	330.3	451.0	495.5
115°	0.0	155.1	321.7	438.0	481.1
117.5°	0.0	150.8	313.1	425.1	468.2
120°	0.0	145.1	304.5	413.6	453.8
122.5°	0.0	139.3	295.9	399.3	438.0
125°	0.0	133.6	285.8	386.3	423.7
127.5°	0.0	125.0	274.3	372.0	406.5
130°	0.0	116.3	260.0	357.6	390.7
132.5°	1.4	107.7	245.6	341.8	374.9
135°	0.0	99.1	229.8	326.0	356.2
137.5°	0.0	91.9	212.6	308.8	337.5
140°	0.0	83.3	195.3	288.7	318.8
142.5°	0.0	73.2	178.1	267.1	298.7
145°	0.0	64.6	160.9	244.2	278.6
147.5°	1.4	57.4	145.1	219.7	257.1
150°	1.4	51.7	129.3	195.3	232.7
152.5°	1.4	46.0	113.5	172.3	208.3
155°	1.4	40.2	99.1	149.4	185.3
157.5°	1.4	34.5	83.3	126.4	160.9
160°	1.4	30.2	68.9	106.3	137.9
162.5°	1.4	25.9	56.0	83.3	113.5
165°	1.4	21.5	44.5	61.8	87.6
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)