

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-LD5-74SL-SLW-UNV-L940-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-LD5-74SL-SLW-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

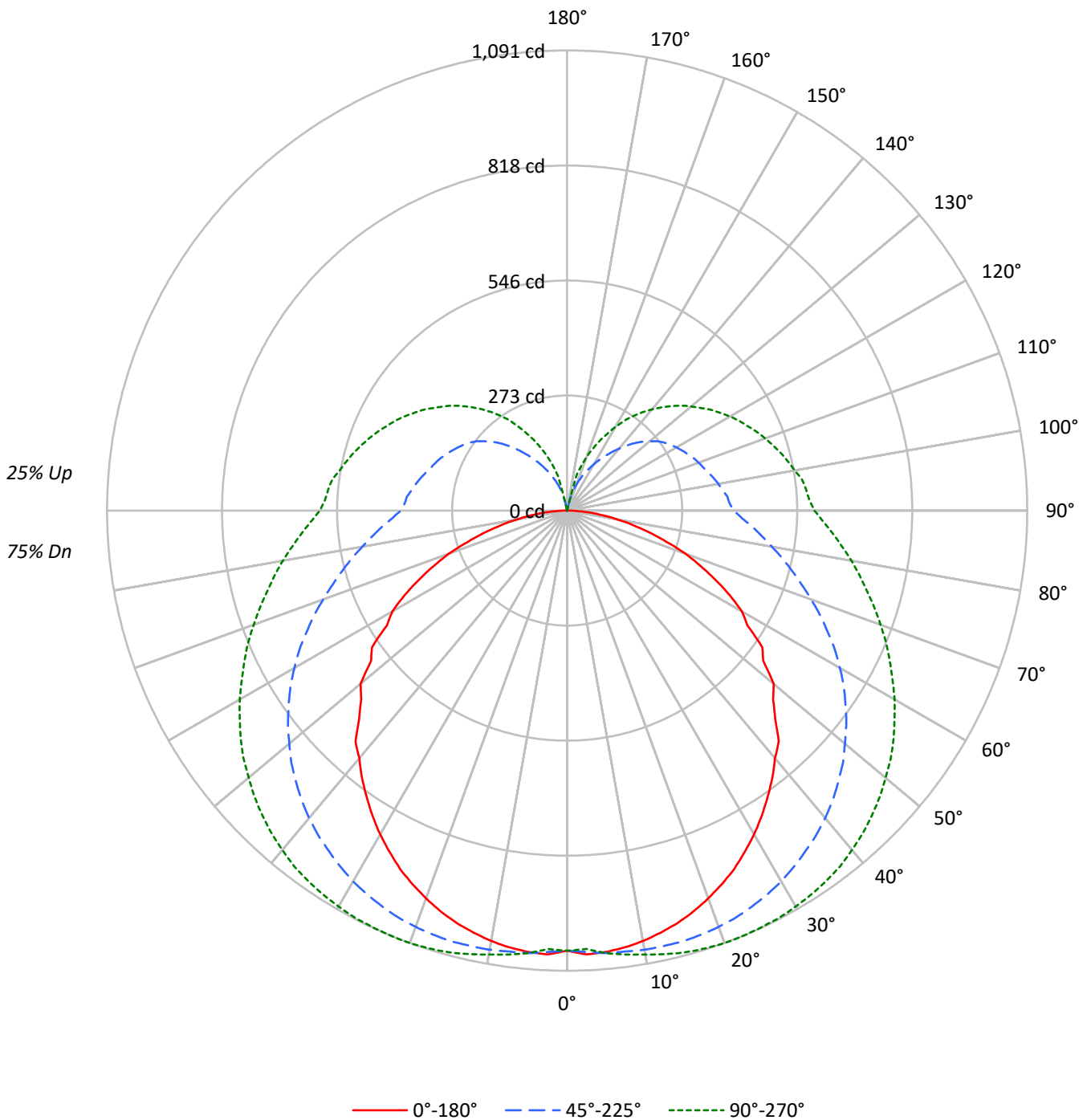
Lumens per Lamp: N/A
Luminaire Lumens: 6008.0 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 61
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°	4215	4215	4215
5°	4255	4171	4136
10°	4240	4137	4113
15°	4216	4118	4121
20°	4183	4104	4128
25°	4149	4092	4135
30°	4100	4084	4157
35°	4043	4072	4185
40°	3991	4074	4213
45°	3924	4070	4246
50°	3946	4065	4280
55°	3891	4071	4331
60°	3766	4081	4390
65°	3578	4093	4472
70°	3374	4132	4598
75°	2999	4241	4782
80°	2595	4464	5092
85°	2053	4909	5542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	1.7
10°-20°	297.2	4.9
20°-30°	472.4	7.9
30°-40°	606.3	10.1
40°-50°	684.6	11.4
50°-60°	698.6	11.6
60°-70°	647.2	10.8
70°-80°	547.9	9.1
80°-90°	437.4	7.3
90°-100°	371.4	6.2
100°-110°	330.9	5.5
110°-120°	281.8	4.7
120°-130°	223.9	3.7
130°-140°	158.8	2.6
140°-150°	94.8	1.6
150°-160°	44.2	0.7
160°-170°	10.5	0.2
170°-180°	0.0	0.0
0°-30°	869.9	14.5
0°-40°	1476.1	24.6
0°-60°	2859.3	47.6
0°-90°	4491.8	74.8
90°-120°	984.1	16.4
90°-150°	1461.5	24.3
90°-180°	1516.0	25.2
0°-180°	6008.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1043	1043	1043	1043	1043	
5°	1050	1042	1053	1053	1053	100
15°	1012	1021	1057	1077	1084	286
25°	937	968	1036	1073	1090	432
35°	829	889	985	1046	1072	519
45°	697	792	909	988	1022	542
55°	565	659	806	905	944	496
65°	387	515	682	799	844	384
75°	203	360	552	688	736	216
85°	52	232	440	583	632	57
90°	3	189	394	536	586	4
95°	0	178	381	521	569	0
105°	0	164	347	479	525	0
115°	0	152	316	431	473	0
125°	0	131	281	380	416	0
135°	0	97	226	320	350	0
145°	0	64	158	240	274	1
155°	1	40	97	147	182	1
165°	1	21	44	61	86	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°	1043.3	1043.3	1043.3	1043.3	1043.3
2.5°	1053.2	1041.9	1047.5	1046.1	1040.5
5°	1050.4	1041.9	1053.2	1053.2	1053.2
7.5°	1044.7	1039.1	1054.6	1060.2	1061.7
10°	1036.2	1036.2	1057.4	1065.9	1068.7
12.5°	1025.0	1029.2	1057.4	1070.1	1077.2
15°	1012.2	1020.7	1057.4	1077.2	1084.2
17.5°	996.7	1010.8	1054.6	1078.6	1088.5
20°	978.4	999.5	1050.4	1078.6	1091.3
22.5°	958.6	985.4	1044.7	1075.8	1091.3
25°	937.4	968.5	1036.2	1073.0	1089.9
27.5°	912.0	951.5	1026.4	1068.7	1088.5
30°	886.6	931.8	1015.1	1063.1	1084.2
32.5°	858.4	910.6	1001.0	1054.6	1078.6
35°	828.7	889.4	985.4	1046.1	1071.5
37.5°	799.1	864.0	969.9	1034.8	1063.1
40°	766.6	838.6	951.5	1020.7	1050.4
42.5°	742.6	811.8	931.8	1006.6	1037.7
45°	697.4	792.0	909.2	988.2	1022.1
47.5°	662.1	753.9	886.6	969.9	1005.2
50°	639.5	722.8	859.8	948.7	985.4
52.5°	585.9	701.7	834.4	927.5	967.1
55°	564.7	659.3	806.1	905.0	944.5
57.5°	506.8	629.7	777.9	879.5	920.5
60°	478.6	588.7	746.8	854.1	896.5
62.5°	434.8	553.4	715.8	825.9	869.7
65°	386.8	515.3	681.9	799.1	844.2
67.5°	341.7	477.2	649.4	770.8	818.8
70°	297.9	437.7	615.5	742.6	790.6
72.5°	247.1	398.1	583.1	715.8	763.8
75°	203.3	360.0	552.0	687.5	735.5
77.5°	160.9	323.3	522.4	662.1	710.1
80°	121.4	288.0	492.7	635.3	684.7
82.5°	84.7	258.4	465.9	609.9	657.9
85°	52.2	231.5	440.5	583.1	632.5
87.5°	24.0	207.5	415.1	557.7	608.5
90°	2.8	189.2	393.9	536.5	585.9
92.5°	1.4	183.5	385.4	526.6	574.6
95°	0.0	177.9	381.2	520.9	568.9
97.5°	0.0	172.2	371.3	512.5	561.9
100°	0.0	169.4	364.2	499.8	547.8
102.5°	0.0	165.2	355.8	488.5	536.5
105°	0.0	163.8	347.3	478.6	525.2
107.5°	0.0	160.9	338.8	465.9	512.5
110°	0.0	158.1	331.8	454.6	499.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	155.3	324.7	443.3	487.1
115°	0.0	152.5	316.2	430.6	472.9
117.5°	0.0	148.2	307.8	417.9	460.2
120°	0.0	142.6	299.3	406.6	446.1
122.5°	0.0	136.9	290.8	392.5	430.6
125°	0.0	131.3	280.9	379.8	416.5
127.5°	0.0	122.8	269.7	365.7	399.5
130°	0.0	114.4	255.5	351.5	384.0
132.5°	1.4	105.9	241.4	336.0	368.5
135°	0.0	97.4	225.9	320.5	350.1
137.5°	0.0	90.4	208.9	303.5	331.8
140°	0.0	81.9	192.0	283.8	313.4
142.5°	0.0	72.0	175.1	262.6	293.7
145°	0.0	63.5	158.1	240.0	273.9
147.5°	1.4	56.5	142.6	216.0	252.7
150°	1.4	50.8	127.1	192.0	228.7
152.5°	1.4	45.2	111.5	169.4	204.7
155°	1.4	39.5	97.4	146.8	182.1
157.5°	1.4	33.9	81.9	124.2	158.1
160°	1.4	29.6	67.8	104.5	135.5
162.5°	1.4	25.4	55.1	81.9	111.5
165°	1.4	21.2	43.8	60.7	86.1
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)