

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

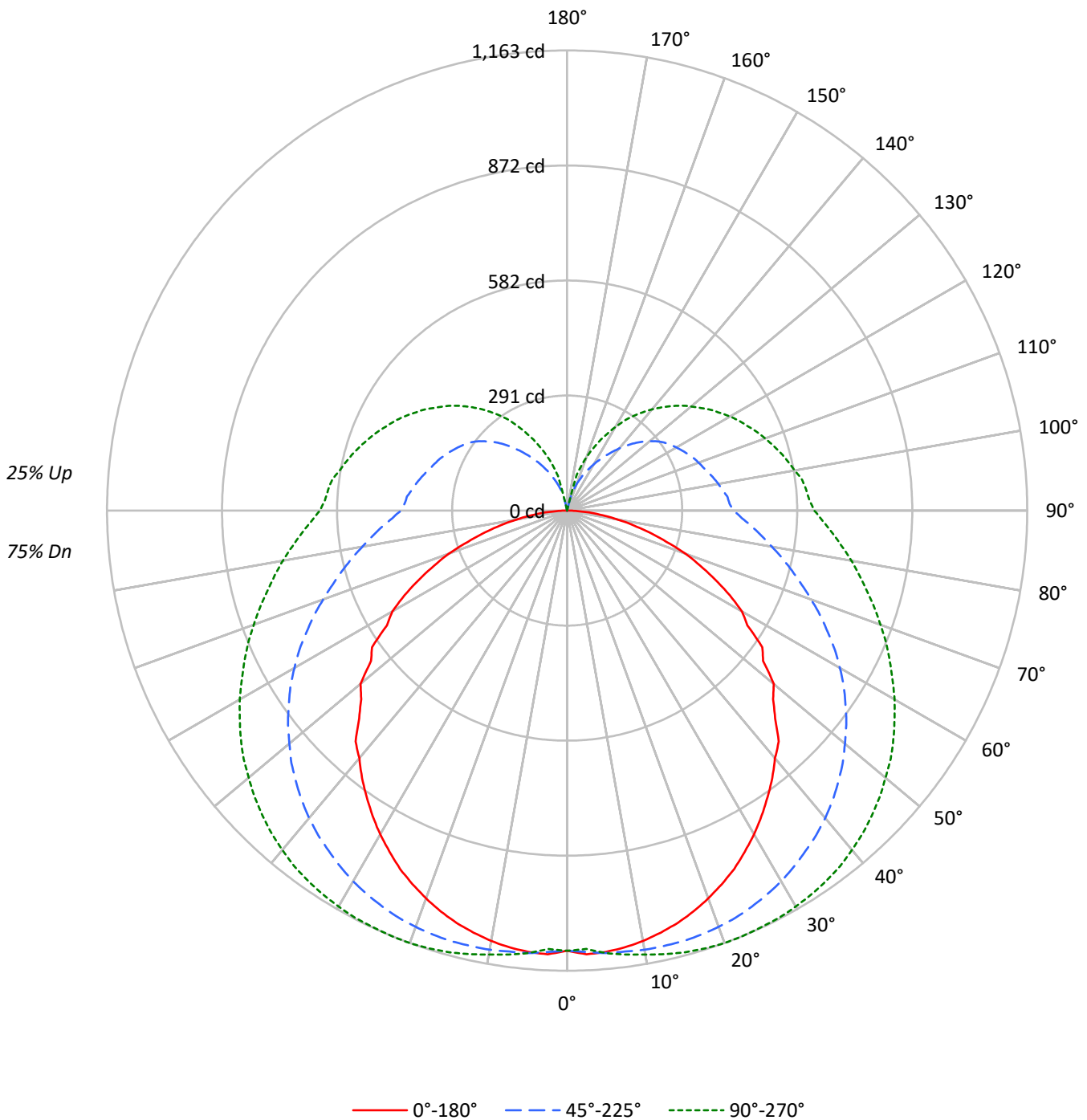
Lumens per Lamp: N/A
Luminaire Lumens: 6404.0 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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	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°	4493	4493	4493
5°	4535	4446	4408
10°	4519	4409	4384
15°	4495	4390	4393
20°	4459	4374	4400
25°	4422	4362	4408
30°	4370	4353	4432
35°	4310	4341	4461
40°	4254	4343	4491
45°	4183	4338	4526
50°	4207	4333	4562
55°	4147	4340	4617
60°	4014	4350	4680
65°	3814	4362	4767
70°	3596	4405	4901
75°	3197	4521	5098
80°	2766	4759	5427
85°	2191	5232	5908



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	1.7
10°-20°	316.8	4.9
20°-30°	503.5	7.9
30°-40°	646.2	10.1
40°-50°	729.7	11.4
50°-60°	744.6	11.6
60°-70°	689.8	10.8
70°-80°	584.0	9.1
80°-90°	466.2	7.3
90°-100°	395.8	6.2
100°-110°	352.7	5.5
110°-120°	300.4	4.7
120°-130°	238.6	3.7
130°-140°	169.3	2.6
140°-150°	101.1	1.6
150°-160°	47.1	0.7
160°-170°	11.2	0.2
170°-180°	0.0	0.0
0°-30°	927.2	14.5
0°-40°	1573.4	24.6
0°-60°	3047.8	47.6
0°-90°	4787.9	74.8
90°-120°	1048.9	16.4
90°-150°	1557.9	24.3
90°-180°	1616.0	25.2
0°-180°	6404.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1112	1112	1112	1112	1112	
5°	1120	1111	1123	1123	1123	106
15°	1079	1088	1127	1148	1156	304
25°	999	1032	1104	1144	1162	460
35°	883	948	1050	1115	1142	553
45°	743	844	969	1053	1090	577
55°	602	703	859	965	1007	528
65°	412	549	727	852	900	409
75°	217	384	588	733	784	231
85°	56	247	470	622	674	61
90°	3	202	420	572	624	5
95°	0	190	406	555	606	0
105°	0	175	370	510	560	0
115°	0	162	337	459	504	0
125°	0	140	300	405	444	0
135°	0	104	241	342	373	0
145°	0	68	168	256	292	1
155°	2	42	104	156	194	1
165°	2	23	47	65	92	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°	1112.1	1112.1	1112.1	1112.1	1112.1
2.5°	1122.6	1110.6	1116.6	1115.1	1109.1
5°	1119.6	1110.6	1122.6	1122.6	1122.6
7.5°	1113.6	1107.6	1124.1	1130.1	1131.6
10°	1104.5	1104.5	1127.1	1136.2	1139.2
12.5°	1092.5	1097.0	1127.1	1140.7	1148.2
15°	1079.0	1088.0	1127.1	1148.2	1155.7
17.5°	1062.4	1077.5	1124.1	1149.7	1160.2
20°	1042.9	1065.4	1119.6	1149.7	1163.2
22.5°	1021.8	1050.4	1113.6	1146.7	1163.2
25°	999.2	1032.3	1104.5	1143.7	1161.7
27.5°	972.1	1014.3	1094.0	1139.2	1160.2
30°	945.0	993.2	1082.0	1133.1	1155.7
32.5°	914.9	970.6	1066.9	1124.1	1149.7
35°	883.3	948.0	1050.4	1115.1	1142.2
37.5°	851.7	921.0	1033.8	1103.0	1133.1
40°	817.1	893.9	1014.3	1088.0	1119.6
42.5°	791.5	865.3	993.2	1072.9	1106.1
45°	743.4	844.2	969.1	1053.4	1089.5
47.5°	705.8	803.6	945.0	1033.8	1071.4
50°	681.7	770.5	916.4	1011.2	1050.4
52.5°	624.5	747.9	889.4	988.7	1030.8
55°	601.9	702.8	859.3	964.6	1006.7
57.5°	540.2	671.2	829.2	937.5	981.2
60°	510.1	627.5	796.1	910.4	955.6
62.5°	463.5	589.9	763.0	880.3	927.0
65°	412.3	549.3	726.8	851.7	899.9
67.5°	364.2	508.6	692.2	821.6	872.8
70°	317.5	466.5	656.1	791.5	842.7
72.5°	263.3	424.4	621.5	763.0	814.1
75°	216.7	383.7	588.4	732.9	784.0
77.5°	171.6	344.6	556.8	705.8	756.9
80°	129.4	307.0	525.2	677.2	729.8
82.5°	90.3	275.4	496.6	650.1	701.3
85°	55.7	246.8	469.5	621.5	674.2
87.5°	25.6	221.2	442.4	594.4	648.6
90°	3.0	201.6	419.8	571.8	624.5
92.5°	1.5	195.6	410.8	561.3	612.5
95°	0.0	189.6	406.3	555.3	606.4
97.5°	0.0	183.6	395.8	546.3	598.9
100°	0.0	180.6	388.2	532.7	583.9
102.5°	0.0	176.1	379.2	520.7	571.8
105°	0.0	174.6	370.2	510.1	559.8
107.5°	0.0	171.6	361.2	496.6	546.3
110°	0.0	168.5	353.6	484.6	532.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	165.5	346.1	472.5	519.2
115°	0.0	162.5	337.1	459.0	504.1
117.5°	0.0	158.0	328.1	445.4	490.6
120°	0.0	152.0	319.0	433.4	475.5
122.5°	0.0	146.0	310.0	418.3	459.0
125°	0.0	139.9	299.5	404.8	443.9
127.5°	0.0	130.9	287.4	389.8	425.9
130°	0.0	121.9	272.4	374.7	409.3
132.5°	1.5	112.9	257.3	358.2	392.8
135°	0.0	103.8	240.8	341.6	373.2
137.5°	0.0	96.3	222.7	323.5	353.6
140°	0.0	87.3	204.7	302.5	334.1
142.5°	0.0	76.7	186.6	279.9	313.0
145°	0.0	67.7	168.5	255.8	291.9
147.5°	1.5	60.2	152.0	230.2	269.4
150°	1.5	54.2	135.4	204.7	243.8
152.5°	1.5	48.2	118.9	180.6	218.2
155°	1.5	42.1	103.8	156.5	194.1
157.5°	1.5	36.1	87.3	132.4	168.5
160°	1.5	31.6	72.2	111.4	144.5
162.5°	1.5	27.1	58.7	87.3	118.9
165°	1.5	22.6	46.6	64.7	91.8
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)