

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-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: 8SNLED-LD5-74SL-SLW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

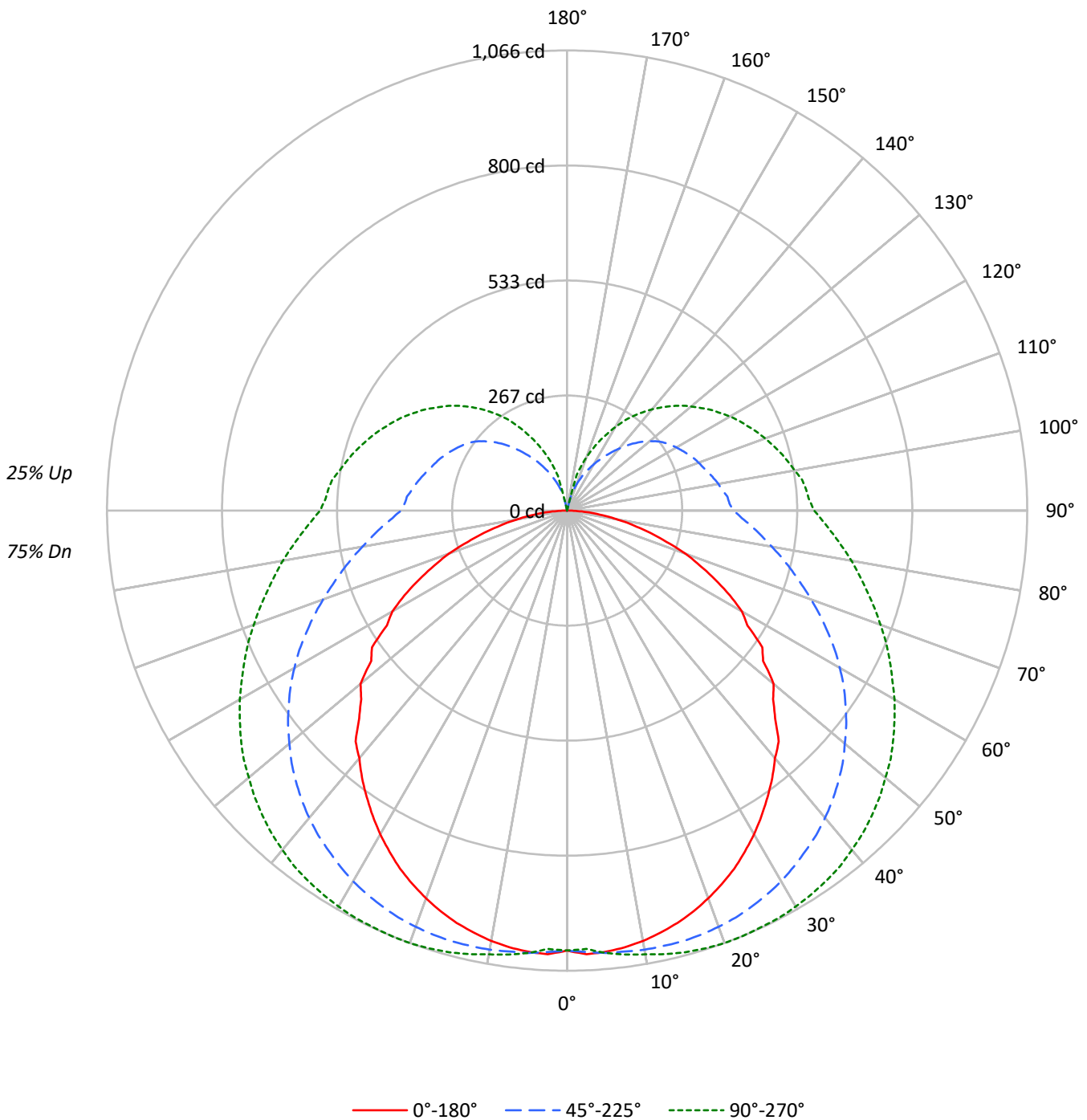
Lumens per Lamp: N/A
Luminaire Lumens: 5869.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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°	4118	4118	4118
5°	4156	4074	4040
10°	4142	4041	4017
15°	4119	4023	4026
20°	4086	4009	4033
25°	4053	3998	4040
30°	4005	3990	4062
35°	3950	3978	4089
40°	3899	3979	4116
45°	3833	3976	4148
50°	3855	3971	4181
55°	3801	3977	4231
60°	3678	3987	4288
65°	3496	3998	4368
70°	3296	4037	4491
75°	2930	4143	4672
80°	2535	4361	4974
85°	2006	4795	5414



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	1.7
10°-20°	290.3	4.9
20°-30°	461.4	7.9
30°-40°	592.2	10.1
40°-50°	668.8	11.4
50°-60°	682.4	11.6
60°-70°	632.2	10.8
70°-80°	535.2	9.1
80°-90°	427.3	7.3
90°-100°	362.8	6.2
100°-110°	323.2	5.5
110°-120°	275.3	4.7
120°-130°	218.7	3.7
130°-140°	155.1	2.6
140°-150°	92.6	1.6
150°-160°	43.2	0.7
160°-170°	10.3	0.2
170°-180°	0.0	0.0
0°-30°	849.8	14.5
0°-40°	1442.0	24.6
0°-60°	2793.2	47.6
0°-90°	4387.9	74.8
90°-120°	961.3	16.4
90°-150°	1427.7	24.3
90°-180°	1481.0	25.2
0°-180°	5869.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1019	1019	1019	1019	1019	
5°	1026	1018	1029	1029	1029	97
15°	989	997	1033	1052	1059	279
25°	916	946	1012	1048	1065	422
35°	810	869	963	1022	1047	507
45°	681	774	888	965	998	529
55°	552	644	788	884	923	484
65°	378	503	666	781	825	375
75°	199	352	539	672	718	211
85°	51	226	430	570	618	56
90°	3	185	385	524	572	4
95°	0	174	372	509	556	0
105°	0	160	339	468	513	0
115°	0	149	309	421	462	0
125°	0	128	274	371	407	0
135°	0	95	221	313	342	0
145°	0	62	154	234	268	1
155°	1	39	95	143	178	1
165°	1	21	43	59	84	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°	1019.2	1019.2	1019.2	1019.2	1019.2
2.5°	1028.8	1017.8	1023.3	1021.9	1016.4
5°	1026.1	1017.8	1028.8	1028.8	1028.8
7.5°	1020.5	1015.0	1030.2	1035.7	1037.1
10°	1012.3	1012.3	1033.0	1041.2	1044.0
12.5°	1001.2	1005.4	1033.0	1045.4	1052.3
15°	988.8	997.1	1033.0	1052.3	1059.2
17.5°	973.7	987.4	1030.2	1053.6	1063.3
20°	955.7	976.4	1026.1	1053.6	1066.1
22.5°	936.4	962.6	1020.5	1050.9	1066.1
25°	915.7	946.1	1012.3	1048.1	1064.7
27.5°	890.9	929.5	1002.6	1044.0	1063.3
30°	866.1	910.2	991.6	1038.5	1059.2
32.5°	838.5	889.5	977.8	1030.2	1053.6
35°	809.5	868.8	962.6	1021.9	1046.8
37.5°	780.6	844.0	947.5	1010.9	1038.5
40°	748.9	819.2	929.5	997.1	1026.1
42.5°	725.4	793.0	910.2	983.3	1013.7
45°	681.3	773.7	888.2	965.4	998.5
47.5°	646.8	736.4	866.1	947.5	981.9
50°	624.7	706.1	839.9	926.8	962.6
52.5°	572.3	685.4	815.1	906.1	944.7
55°	551.6	644.0	787.5	884.0	922.6
57.5°	495.1	615.1	759.9	859.2	899.2
60°	467.5	575.1	729.6	834.4	875.7
62.5°	424.8	540.6	699.2	806.8	849.5
65°	377.9	503.4	666.1	780.6	824.7
67.5°	333.7	466.1	634.4	753.0	799.9
70°	291.0	427.5	601.3	725.4	772.3
72.5°	241.3	388.9	569.6	699.2	746.1
75°	198.6	351.7	539.2	671.6	718.5
77.5°	157.2	315.8	510.3	646.8	693.7
80°	118.6	281.3	481.3	620.6	668.9
82.5°	82.7	252.4	455.1	595.8	642.7
85°	51.0	226.2	430.3	569.6	617.8
87.5°	23.4	202.7	405.5	544.8	594.4
90°	2.8	184.8	384.8	524.1	572.3
92.5°	1.4	179.3	376.5	514.4	561.3
95°	0.0	173.8	372.4	508.9	555.8
97.5°	0.0	168.3	362.7	500.6	548.9
100°	0.0	165.5	355.8	488.2	535.1
102.5°	0.0	161.4	347.5	477.2	524.1
105°	0.0	160.0	339.3	467.5	513.0
107.5°	0.0	157.2	331.0	455.1	500.6
110°	0.0	154.5	324.1	444.1	488.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	151.7	317.2	433.0	475.8
115°	0.0	148.9	308.9	420.6	462.0
117.5°	0.0	144.8	300.6	408.2	449.6
120°	0.0	139.3	292.4	397.2	435.8
122.5°	0.0	133.8	284.1	383.4	420.6
125°	0.0	128.3	274.4	371.0	406.8
127.5°	0.0	120.0	263.4	357.2	390.3
130°	0.0	111.7	249.6	343.4	375.1
132.5°	1.4	103.4	235.8	328.2	360.0
135°	0.0	95.2	220.7	313.1	342.0
137.5°	0.0	88.3	204.1	296.5	324.1
140°	0.0	80.0	187.6	277.2	306.2
142.5°	0.0	70.3	171.0	256.5	286.9
145°	0.0	62.1	154.5	234.5	267.5
147.5°	1.4	55.2	139.3	211.0	246.9
150°	1.4	49.6	124.1	187.6	223.4
152.5°	1.4	44.1	109.0	165.5	200.0
155°	1.4	38.6	95.2	143.4	177.9
157.5°	1.4	33.1	80.0	121.4	154.5
160°	1.4	29.0	66.2	102.1	132.4
162.5°	1.4	24.8	53.8	80.0	109.0
165°	1.4	20.7	42.8	59.3	84.1
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)