

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: **4SNLED-LD5-58SL-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: 4SNLED-LD5-58SL-SLW-UNV-L940-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
SQUARE FROSTED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

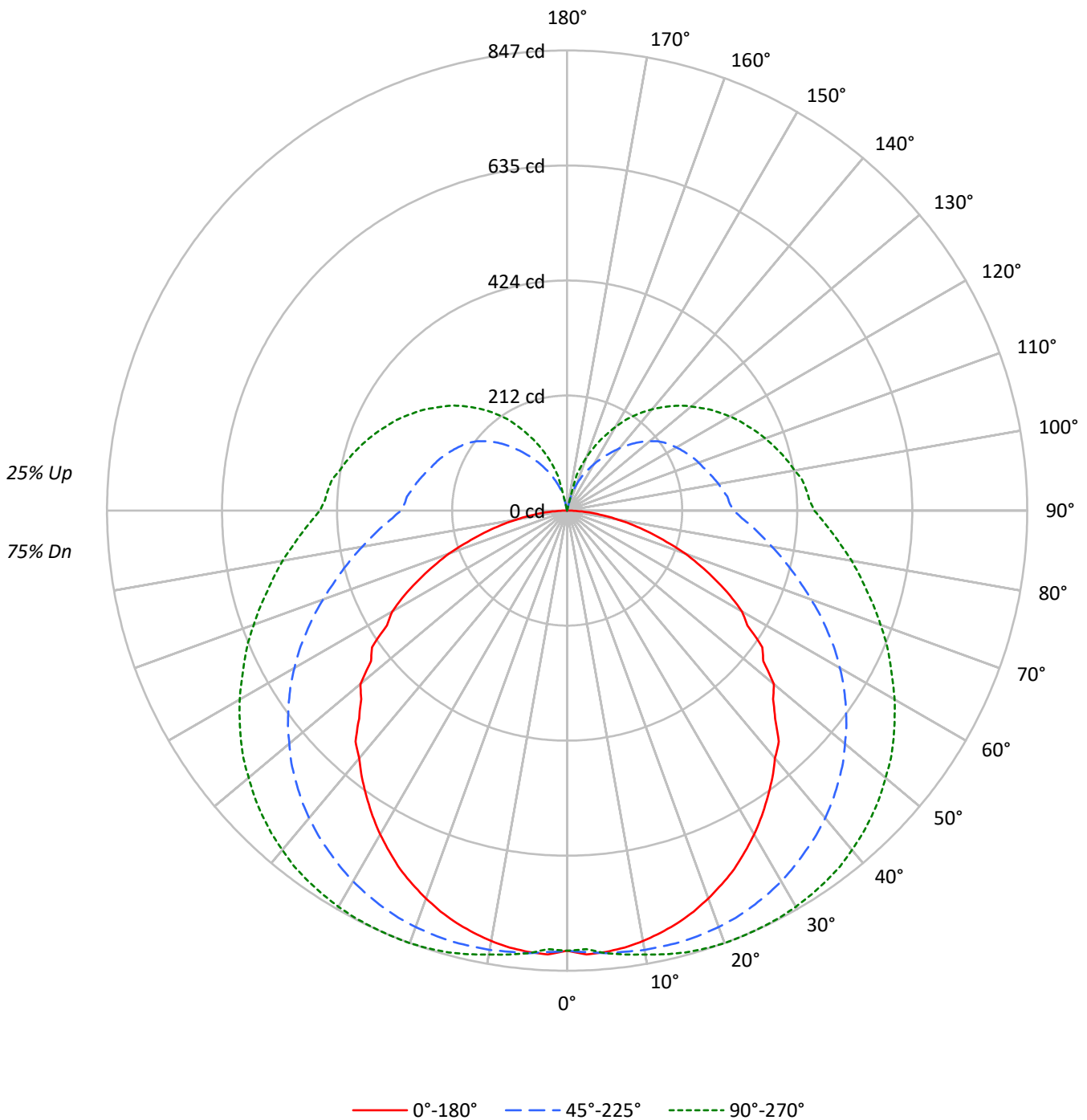
Lumens per Lamp: N/A  
Luminaire Lumens: 4665.0 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Semi-Direct

Input Watts (W): 55  
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°	6546	6546	6546
5°	6598	6471	6423
10°	6566	6413	6386
15°	6521	6378	6400
20°	6460	6349	6411
25°	6397	6326	6422
30°	6310	6308	6457
35°	6212	6283	6499
40°	6118	6279	6543
45°	6001	6267	6594
50°	6019	6251	6646
55°	5914	6251	6727
60°	5697	6257	6818
65°	5383	6263	6944
70°	5033	6308	7141
75°	4415	6455	7427
80°	3728	6768	7908
85°	2774	7398	8607



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.9	1.7
10°-20°	230.8	4.9
20°-30°	366.8	7.9
30°-40°	470.7	10.1
40°-50°	531.6	11.4
50°-60°	542.4	11.6
60°-70°	502.5	10.8
70°-80°	425.4	9.1
80°-90°	339.6	7.3
90°-100°	288.4	6.2
100°-110°	256.9	5.5
110°-120°	218.8	4.7
120°-130°	173.8	3.7
130°-140°	123.3	2.6
140°-150°	73.6	1.6
150°-160°	34.3	0.7
160°-170°	8.1	0.2
170°-180°	0.0	0.0
0°-30°	675.4	14.5
0°-40°	1146.2	24.6
0°-60°	2220.2	47.6
0°-90°	3487.7	74.8
90°-120°	764.1	16.4
90°-150°	1134.8	24.3
90°-180°	1177.0	25.2
0°-180°	4665.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	810	810	810	810	810	
5°	816	809	818	818	818	77
15°	786	793	821	836	842	222
25°	728	752	805	833	846	335
35°	644	691	765	812	832	403
45°	542	615	706	767	794	421
55°	438	512	626	703	733	385
65°	300	400	530	620	656	298
75°	158	280	429	534	571	168
85°	41	180	342	453	491	44
90°	2	147	306	417	455	3
95°	0	138	296	404	442	0
105°	0	127	270	372	408	0
115°	0	118	246	334	367	0
125°	0	102	218	295	323	0
135°	0	76	175	249	272	0
145°	0	49	123	186	213	0
155°	1	31	76	114	141	1
165°	1	16	34	47	67	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°	810.1	810.1	810.1	810.1	810.1
2.5°	817.8	809.0	813.4	812.3	807.9
5°	815.6	809.0	817.8	817.8	817.8
7.5°	811.2	806.8	818.9	823.2	824.3
10°	804.6	804.6	821.1	827.6	829.8
12.5°	795.8	799.1	821.1	830.9	836.4
15°	786.0	792.6	821.1	836.4	841.9
17.5°	773.9	784.9	818.9	837.5	845.2
20°	759.7	776.1	815.6	837.5	847.4
22.5°	744.3	765.1	811.2	835.3	847.4
25°	727.9	752.0	804.6	833.1	846.3
27.5°	708.1	738.8	796.9	829.8	845.2
30°	688.4	723.5	788.2	825.4	841.9
32.5°	666.5	707.0	777.2	818.9	837.5
35°	643.5	690.6	765.1	812.3	832.0
37.5°	620.4	670.9	753.1	803.5	825.4
40°	595.2	651.1	738.8	792.6	815.6
42.5°	576.6	630.3	723.5	781.6	805.7
45°	541.5	615.0	706.0	767.3	793.6
47.5°	514.1	585.4	688.4	753.1	780.5
50°	496.6	561.3	667.6	736.6	765.1
52.5°	454.9	544.8	647.9	720.2	750.9
55°	438.5	511.9	625.9	702.7	733.4
57.5°	393.5	488.9	604.0	682.9	714.7
60°	371.6	457.1	579.9	663.2	696.1
62.5°	337.6	429.7	555.8	641.3	675.3
65°	300.4	400.1	529.5	620.4	655.5
67.5°	265.3	370.5	504.3	598.5	635.8
70°	231.3	339.8	477.9	576.6	613.9
72.5°	191.8	309.1	452.7	555.8	593.0
75°	157.9	279.5	428.6	533.8	571.1
77.5°	125.0	251.0	405.6	514.1	551.4
80°	94.3	223.6	382.6	493.3	531.7
82.5°	65.8	200.6	361.7	473.6	510.8
85°	40.6	179.8	342.0	452.7	491.1
87.5°	18.6	161.1	322.3	433.0	472.5
90°	2.2	146.9	305.8	416.6	454.9
92.5°	1.1	142.5	299.3	408.9	446.2
95°	0.0	138.1	296.0	404.5	441.8
97.5°	0.0	133.7	288.3	397.9	436.3
100°	0.0	131.5	282.8	388.1	425.3
102.5°	0.0	128.3	276.2	379.3	416.6
105°	0.0	127.2	269.7	371.6	407.8
107.5°	0.0	125.0	263.1	361.7	397.9
110°	0.0	122.8	257.6	353.0	388.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	120.6	252.1	344.2	378.2
115°	0.0	118.4	245.5	334.3	367.2
117.5°	0.0	115.1	239.0	324.5	357.4
120°	0.0	110.7	232.4	315.7	346.4
122.5°	0.0	106.3	225.8	304.7	334.3
125°	0.0	101.9	218.1	294.9	323.4
127.5°	0.0	95.4	209.4	283.9	310.2
130°	0.0	88.8	198.4	273.0	298.2
132.5°	1.1	82.2	187.5	260.9	286.1
135°	0.0	75.6	175.4	248.8	271.9
137.5°	0.0	70.2	162.2	235.7	257.6
140°	0.0	63.6	149.1	220.3	243.4
142.5°	0.0	55.9	135.9	203.9	228.0
145°	0.0	49.3	122.8	186.4	212.7
147.5°	1.1	43.8	110.7	167.7	196.2
150°	1.1	39.5	98.7	149.1	177.6
152.5°	1.1	35.1	86.6	131.5	158.9
155°	1.1	30.7	75.6	114.0	141.4
157.5°	1.1	26.3	63.6	96.5	122.8
160°	1.1	23.0	52.6	81.1	105.2
162.5°	1.1	19.7	42.8	63.6	86.6
165°	1.1	16.4	34.0	47.1	66.9
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)