

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-LD5-66SL-SLC-UNV-L830-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 (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-66SL-SLC-UNV-L830-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

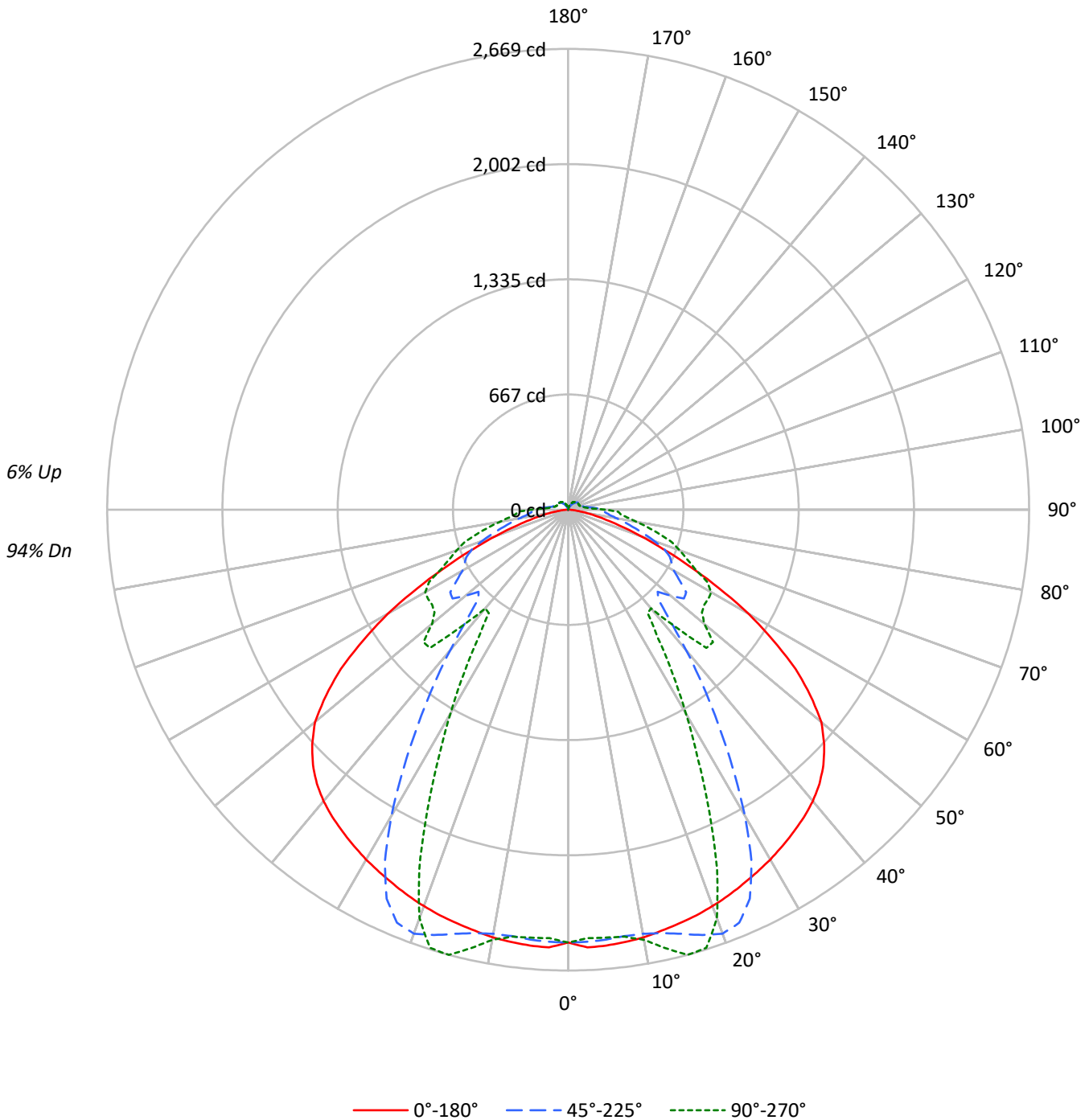
Lumens per Lamp: N/A  
Luminaire Lumens: 6438.0 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	20253	20253	20253
5°	20499	19779	19536
10°	20525	19477	19468
15°	20581	19752	20291
20°	20773	20340	19046
25°	21031	19548	14666
30°	21446	16372	10431
35°	21978	12400	7063
40°	22650	9014	5981
45°	23164	6539	9403
50°	23196	7241	8924
55°	21682	8333	8812
60°	18474	7625	9366
65°	13897	7689	8568
70°	9752	7000	7975
75°	6389	5865	7156
80°	4080	5024	5957
85°	2200	4776	5347



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.4	3.7
10°-20°	720.1	11.2
20°-30°	1046.0	16.2
30°-40°	999.4	15.5
40°-50°	914.2	14.2
50°-60°	844.1	13.1
60°-70°	670.5	10.4
70°-80°	413.8	6.4
80°-90°	225.4	3.5
90°-100°	113.9	1.8
100°-110°	71.6	1.1
110°-120°	60.6	0.9
120°-130°	49.5	0.8
130°-140°	35.5	0.6
140°-150°	21.9	0.3
150°-160°	10.4	0.2
160°-170°	2.7	0.0
170°-180°	0.0	0.0
0°-30°	2004.5	31.1
0°-40°	3003.9	46.7
0°-60°	4762.2	74.0
0°-90°	6071.9	94.3
90°-120°	246.1	3.8
90°-150°	353.0	5.5
90°-180°	366.0	5.7
0°-180°	6438.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2506	2506	2506	2506	2506	
5°	2534	2495	2500	2486	2487	241
15°	2481	2448	2543	2637	2669	702
25°	2393	2440	2486	2105	1933	1106
35°	2277	2240	1510	1040	904	1428
45°	2090	1458	737	940	1132	1606
55°	1608	748	834	898	961	1416
65°	776	485	650	790	809	784
75°	228	258	389	516	550	259
85°	32	110	221	301	305	41
90°	1	82	198	234	216	2
95°	0	77	136	121	114	0
105°	0	69	84	77	75	0
115°	0	57	81	72	69	1
125°	1	46	72	70	67	1
135°	1	32	58	63	61	1
145°	1	20	40	51	54	1
155°	2	12	24	32	39	1
165°	2	7	12	16	21	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°	2506.3	2506.3	2506.3	2506.3	2506.3
2.5°	2537.3	2500.7	2505.1	2497.4	2484.1
5°	2534.0	2495.2	2499.6	2486.3	2487.4
7.5°	2525.1	2485.2	2490.7	2488.5	2494.0
10°	2515.1	2473.0	2494.0	2512.9	2529.6
12.5°	2497.4	2459.7	2510.7	2566.2	2600.6
15°	2480.7	2447.5	2542.9	2637.2	2669.3
17.5°	2464.1	2443.0	2582.8	2664.9	2660.5
20°	2443.0	2440.8	2612.8	2585.0	2517.3
22.5°	2419.7	2441.9	2589.5	2386.4	2253.3
25°	2393.1	2439.7	2486.3	2104.6	1932.7
27.5°	2366.5	2429.7	2298.8	1796.2	1626.5
30°	2339.8	2403.1	2045.8	1514.4	1360.2
32.5°	2308.8	2345.4	1770.7	1264.8	1122.8
35°	2276.6	2240.0	1510.0	1039.6	904.2
37.5°	2243.3	2088.0	1275.9	842.1	755.5
40°	2203.4	1897.2	1060.6	722.3	745.6
42.5°	2153.4	1681.9	870.9	757.8	919.7
45°	2090.2	1457.8	736.7	939.7	1131.6
47.5°	2010.3	1242.6	703.4	1076.2	1136.1
50°	1913.8	1045.1	773.3	1031.8	1027.4
52.5°	1767.4	880.9	844.3	940.8	976.3
55°	1607.6	747.8	834.3	897.5	960.8
57.5°	1405.7	657.9	765.5	888.7	961.9
60°	1204.9	598.0	706.7	887.6	956.3
62.5°	983.0	543.6	676.8	866.5	907.5
65°	775.5	484.8	650.1	789.9	808.8
67.5°	594.7	424.9	603.5	704.5	742.2
70°	448.2	366.1	530.3	639.0	685.6
72.5°	322.9	310.6	454.9	581.4	630.2
75°	228.5	258.5	389.4	515.9	550.3
77.5°	157.5	210.8	333.9	443.8	471.5
80°	103.2	168.6	284.0	381.7	400.5
82.5°	62.1	135.4	246.3	333.9	343.9
85°	32.2	109.8	220.8	300.7	305.1
87.5°	10.0	92.1	206.4	285.1	290.7
90°	1.1	82.1	197.5	234.1	216.3
92.5°	0.0	77.7	170.9	159.8	143.1
95°	0.0	76.6	136.5	120.9	114.3
97.5°	0.0	74.3	112.1	101.0	97.6
100°	0.0	72.1	96.5	88.8	87.6
102.5°	0.0	71.0	87.6	81.0	79.9
105°	0.0	68.8	84.3	76.6	75.4
107.5°	0.0	65.5	82.1	74.3	72.1
110°	0.0	62.1	82.1	73.2	69.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	58.8	82.1	72.1	68.8
115°	0.0	56.6	81.0	72.1	68.8
117.5°	1.1	54.4	79.9	72.1	68.8
120°	0.0	52.1	77.7	72.1	67.7
122.5°	1.1	48.8	75.4	71.0	67.7
125°	1.1	45.5	72.1	69.9	66.6
127.5°	1.1	42.2	68.8	67.7	64.3
130°	1.1	38.8	65.5	66.6	63.2
132.5°	1.1	35.5	61.0	64.3	62.1
135°	1.1	32.2	57.7	63.2	61.0
137.5°	1.1	28.8	53.3	59.9	59.9
140°	1.1	25.5	48.8	57.7	58.8
142.5°	1.1	23.3	44.4	55.5	56.6
145°	1.1	20.0	39.9	51.0	54.4
147.5°	1.1	17.8	35.5	46.6	51.0
150°	1.1	15.5	31.1	42.2	46.6
152.5°	1.1	13.3	27.7	36.6	43.3
155°	2.2	12.2	24.4	32.2	38.8
157.5°	2.2	10.0	20.0	27.7	33.3
160°	2.2	8.9	17.8	23.3	30.0
162.5°	2.2	7.8	14.4	20.0	25.5
165°	2.2	6.7	12.2	15.5	21.1
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)