

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-LD5-56SL-SLC-UNV-L835-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-LD5-56SL-SLC-UNV-L835-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

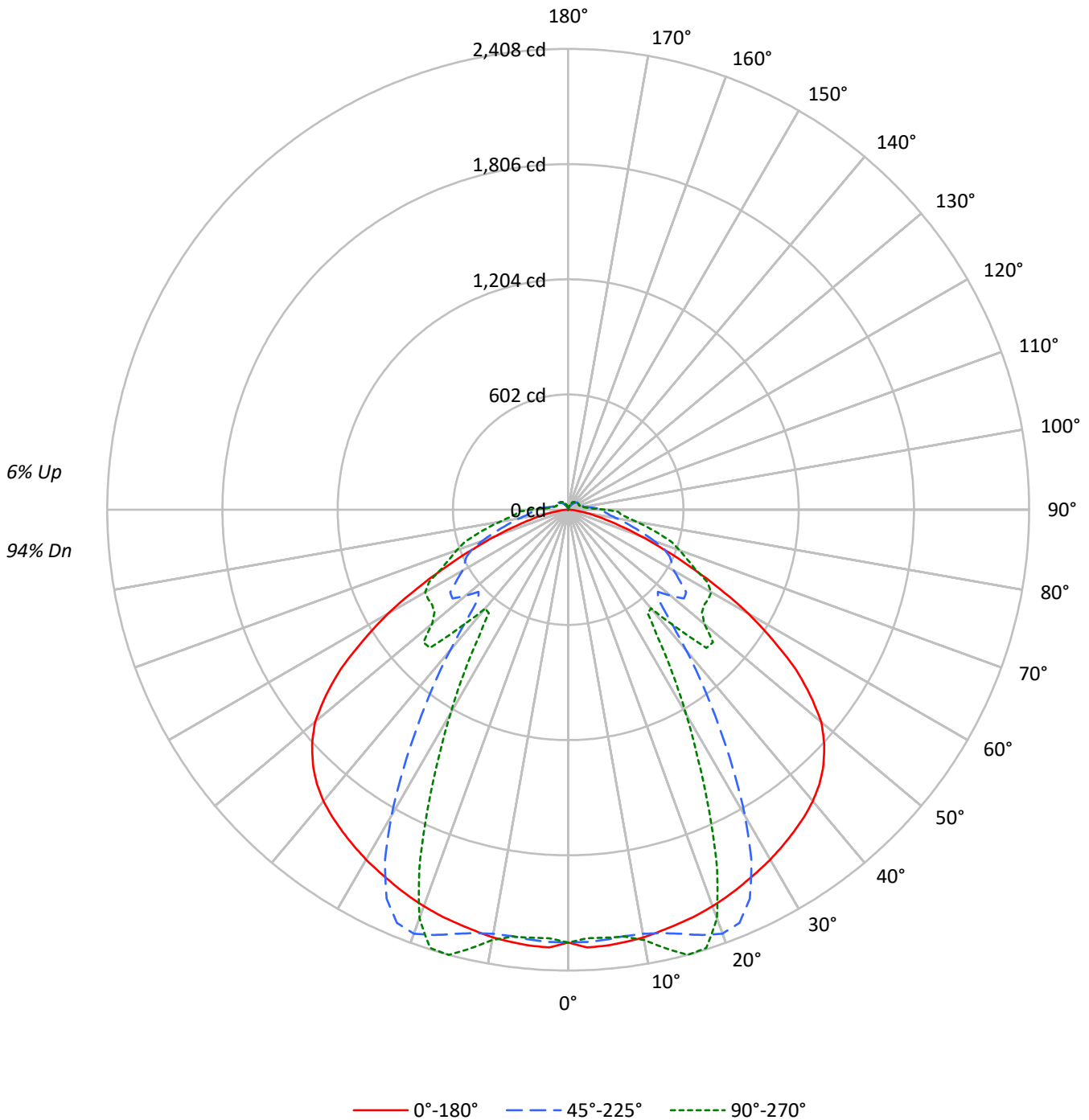
Lumens per Lamp: N/A  
Luminaire Lumens: 5809.0 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 46  
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	63	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°	18274	18274	18274
5°	18496	17847	17627
10°	18520	17575	17566
15°	18571	17822	18308
20°	18743	18353	17185
25°	18977	17638	13232
30°	19351	14772	9412
35°	19831	11188	6374
40°	20437	8133	5397
45°	20901	5900	8485
50°	20930	6533	8052
55°	19563	7519	7951
60°	16668	6880	8451
65°	12539	6938	7731
70°	8799	6316	7196
75°	5766	5292	6457
80°	3680	4534	5375
85°	1981	4309	4825



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.1	3.7
10°-20°	649.7	11.2
20°-30°	943.8	16.2
30°-40°	901.8	15.5
40°-50°	824.9	14.2
50°-60°	761.6	13.1
60°-70°	605.0	10.4
70°-80°	373.4	6.4
80°-90°	203.3	3.5
90°-100°	102.8	1.8
100°-110°	64.6	1.1
110°-120°	54.7	0.9
120°-130°	44.7	0.8
130°-140°	32.1	0.6
140°-150°	19.8	0.3
150°-160°	9.4	0.2
160°-170°	2.4	0.0
170°-180°	0.0	0.0
0°-30°	1808.7	31.1
0°-40°	2710.4	46.7
0°-60°	4296.9	74.0
0°-90°	5478.6	94.3
90°-120°	222.1	3.8
90°-150°	318.6	5.5
90°-180°	330.0	5.7
0°-180°	5809.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2261	2261	2261	2261	2261	
5°	2286	2251	2255	2243	2244	218
15°	2238	2208	2294	2380	2408	633
25°	2159	2201	2243	1899	1744	998
35°	2054	2021	1362	938	816	1288
45°	1886	1315	665	848	1021	1449
55°	1450	675	753	810	867	1278
65°	700	438	587	713	730	708
75°	206	233	351	466	496	234
85°	29	99	199	271	275	37
90°	1	74	178	211	195	2
95°	0	69	123	109	103	0
105°	0	62	76	69	68	0
115°	0	51	73	65	62	0
125°	1	41	65	63	60	1
135°	1	29	52	57	55	1
145°	1	18	36	46	49	1
155°	2	11	22	29	35	1
165°	2	6	11	14	19	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°	2261.4	2261.4	2261.4	2261.4	2261.4
2.5°	2289.4	2256.4	2260.4	2253.4	2241.4
5°	2286.4	2251.4	2255.4	2243.4	2244.4
7.5°	2278.4	2242.4	2247.4	2245.4	2250.4
10°	2269.4	2231.4	2250.4	2267.4	2282.4
12.5°	2253.4	2219.3	2265.4	2315.4	2346.5
15°	2238.4	2208.3	2294.4	2379.5	2408.5
17.5°	2223.3	2204.3	2330.5	2404.5	2400.5
20°	2204.3	2202.3	2357.5	2332.5	2271.4
22.5°	2183.3	2203.3	2336.5	2153.3	2033.1
25°	2159.3	2201.3	2243.4	1899.0	1743.8
27.5°	2135.3	2192.3	2074.2	1620.7	1467.5
30°	2111.2	2168.3	1845.9	1366.4	1227.3
32.5°	2083.2	2116.2	1597.7	1141.2	1013.1
35°	2054.2	2021.1	1362.4	938.0	815.9
37.5°	2024.1	1884.0	1151.2	759.8	681.7
40°	1988.1	1711.8	957.0	651.7	672.7
42.5°	1943.1	1517.6	785.8	683.7	829.9
45°	1886.0	1315.4	664.7	847.9	1021.1
47.5°	1813.9	1121.2	634.7	971.0	1025.1
50°	1726.8	943.0	697.7	931.0	927.0
52.5°	1594.7	794.8	761.8	848.9	880.9
55°	1450.5	674.7	752.8	809.9	866.9
57.5°	1268.3	593.6	690.7	801.8	867.9
60°	1087.1	539.6	637.7	800.8	862.9
62.5°	886.9	490.5	610.6	781.8	818.9
65°	699.7	437.5	586.6	712.8	729.8
67.5°	536.6	383.4	544.6	635.7	669.7
70°	404.4	330.3	478.5	576.6	618.7
72.5°	291.3	280.3	410.4	524.6	568.6
75°	206.2	233.2	351.4	465.5	496.5
77.5°	142.2	190.2	301.3	400.4	425.4
80°	93.1	152.2	256.3	344.4	361.4
82.5°	56.1	122.1	222.2	301.3	310.3
85°	29.0	99.1	199.2	271.3	275.3
87.5°	9.0	83.1	186.2	257.3	262.3
90°	1.0	74.1	178.2	211.2	195.2
92.5°	0.0	70.1	154.2	144.2	129.1
95°	0.0	69.1	123.1	109.1	103.1
97.5°	0.0	67.1	101.1	91.1	88.1
100°	0.0	65.1	87.1	80.1	79.1
102.5°	0.0	64.1	79.1	73.1	72.1
105°	0.0	62.1	76.1	69.1	68.1
107.5°	0.0	59.1	74.1	67.1	65.1
110°	0.0	56.1	74.1	66.1	63.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	53.1	74.1	65.1	62.1
115°	0.0	51.1	73.1	65.1	62.1
117.5°	1.0	49.1	72.1	65.1	62.1
120°	0.0	47.0	70.1	65.1	61.1
122.5°	1.0	44.0	68.1	64.1	61.1
125°	1.0	41.0	65.1	63.1	60.1
127.5°	1.0	38.0	62.1	61.1	58.1
130°	1.0	35.0	59.1	60.1	57.1
132.5°	1.0	32.0	55.1	58.1	56.1
135°	1.0	29.0	52.1	57.1	55.1
137.5°	1.0	26.0	48.1	54.1	54.1
140°	1.0	23.0	44.0	52.1	53.1
142.5°	1.0	21.0	40.0	50.1	51.1
145°	1.0	18.0	36.0	46.0	49.1
147.5°	1.0	16.0	32.0	42.0	46.0
150°	1.0	14.0	28.0	38.0	42.0
152.5°	1.0	12.0	25.0	33.0	39.0
155°	2.0	11.0	22.0	29.0	35.0
157.5°	2.0	9.0	18.0	25.0	30.0
160°	2.0	8.0	16.0	21.0	27.0
162.5°	2.0	7.0	13.0	18.0	23.0
165°	2.0	6.0	11.0	14.0	19.0
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)