

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-LD5-63SL-SLC-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 (P27404)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNLED-LD5-63SL-SLC-UNV-L950-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

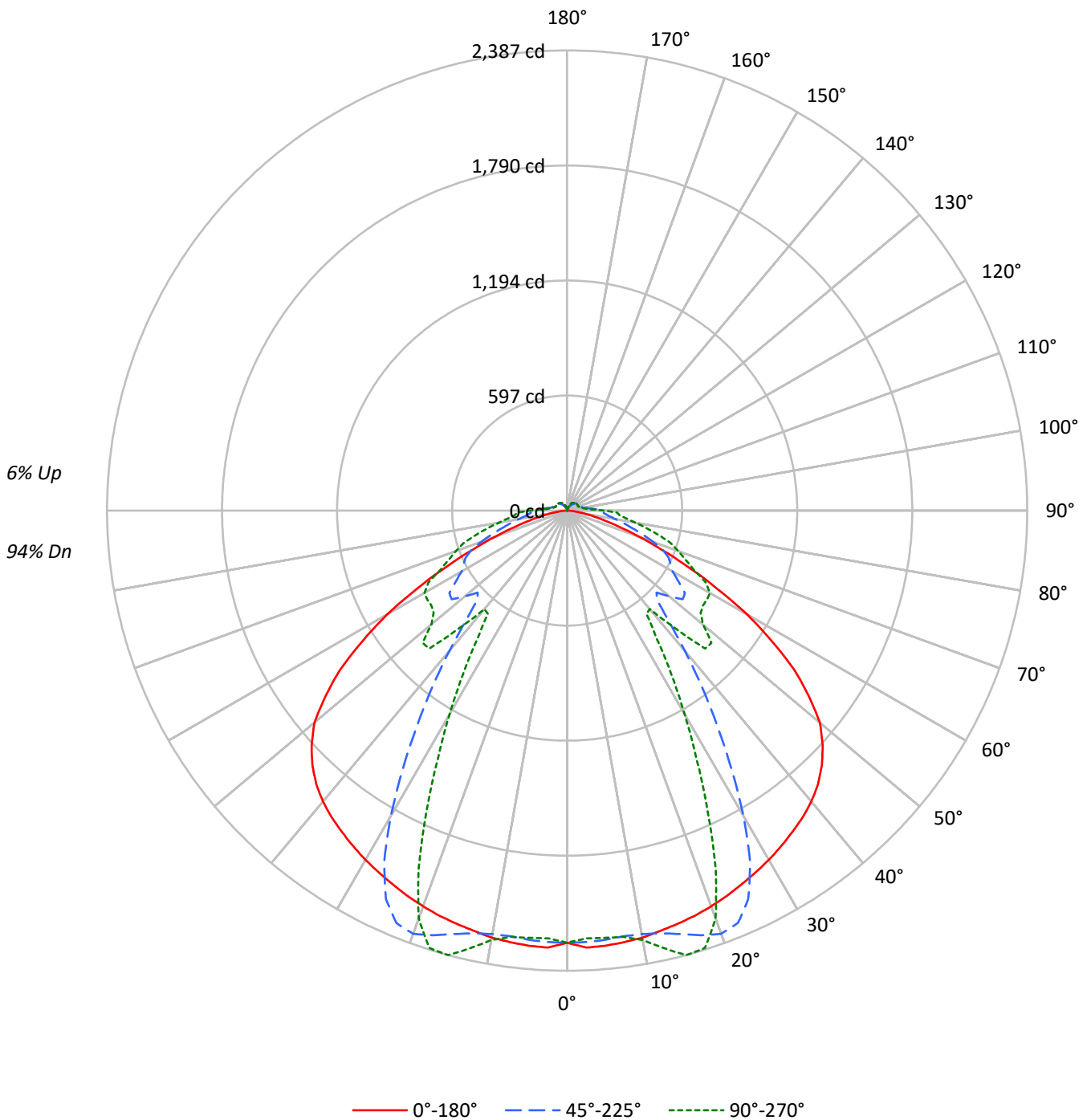
Lumens per Lamp: N/A  
Luminaire Lumens: 5757.0 lumens  
Efficiency: N/A  
Efficacy: 110.7 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 52  
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°	18110	18110	18110
5°	18331	17687	17470
10°	18354	17417	17409
15°	18404	17663	18145
20°	18575	18189	17032
25°	18807	17480	13114
30°	19178	14640	9328
35°	19653	11088	6317
40°	20254	8060	5348
45°	20713	5848	8408
50°	20743	6475	7980
55°	19387	7452	7880
60°	16519	6819	8376
65°	12428	6877	7661
70°	8721	6259	7131
75°	5715	5244	6399
80°	3649	4493	5326
85°	1968	4270	4781



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.2	3.7
10°-20°	643.9	11.2
20°-30°	935.4	16.2
30°-40°	893.7	15.5
40°-50°	817.5	14.2
50°-60°	754.8	13.1
60°-70°	599.6	10.4
70°-80°	370.1	6.4
80°-90°	201.5	3.5
90°-100°	101.9	1.8
100°-110°	64.0	1.1
110°-120°	54.2	0.9
120°-130°	44.3	0.8
130°-140°	31.8	0.6
140°-150°	19.6	0.3
150°-160°	9.3	0.2
160°-170°	2.4	0.0
170°-180°	0.0	0.0
0°-30°	1792.5	31.1
0°-40°	2686.2	46.7
0°-60°	4258.5	74.0
0°-90°	5429.6	94.3
90°-120°	220.1	3.8
90°-150°	315.7	5.5
90°-180°	327.0	5.7
0°-180°	5757.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2241	2241	2241	2241	2241	
5°	2266	2231	2235	2223	2224	216
15°	2218	2189	2274	2358	2387	628
25°	2140	2182	2223	1882	1728	989
35°	2036	2003	1350	930	809	1277
45°	1869	1304	659	840	1012	1436
55°	1438	669	746	803	859	1266
65°	694	434	581	706	723	701
75°	204	231	348	461	492	232
85°	29	98	197	269	273	37
90°	1	73	177	209	194	1
95°	0	68	122	108	102	0
105°	0	62	75	68	68	0
115°	0	51	72	64	62	0
125°	1	41	64	62	60	1
135°	1	29	52	56	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°	2241.1	2241.1	2241.1	2241.1	2241.1
2.5°	2268.9	2236.2	2240.2	2233.2	2221.3
5°	2265.9	2231.2	2235.2	2223.3	2224.3
7.5°	2258.0	2222.3	2227.3	2225.3	2230.2
10°	2249.1	2211.4	2230.2	2247.1	2262.0
12.5°	2233.2	2199.5	2245.1	2294.7	2325.5
15°	2218.3	2188.6	2273.9	2358.2	2387.0
17.5°	2203.4	2184.6	2309.6	2383.0	2379.0
20°	2184.6	2182.6	2336.4	2311.6	2251.1
22.5°	2163.8	2183.6	2315.6	2134.0	2014.9
25°	2140.0	2181.6	2223.3	1882.0	1728.2
27.5°	2116.1	2172.7	2055.6	1606.2	1454.4
30°	2092.3	2148.9	1829.4	1354.2	1216.3
32.5°	2064.6	2097.3	1583.4	1131.0	1004.0
35°	2035.8	2003.0	1350.2	929.6	808.6
37.5°	2006.0	1867.1	1140.9	753.0	675.6
40°	1970.3	1696.5	948.4	645.9	666.7
42.5°	1925.7	1504.0	778.8	677.6	822.4
45°	1869.1	1303.6	658.8	840.3	1011.9
47.5°	1797.7	1111.1	629.0	962.3	1015.9
50°	1711.4	934.6	691.5	922.6	918.7
52.5°	1580.4	787.7	755.0	841.3	873.0
55°	1437.5	668.7	746.1	802.6	859.2
57.5°	1257.0	588.3	684.5	794.7	860.1
60°	1077.4	534.7	632.0	793.7	855.2
62.5°	879.0	486.1	605.2	774.8	811.5
65°	693.5	433.5	581.4	706.4	723.2
67.5°	531.8	380.0	539.7	630.0	663.7
70°	400.8	327.4	474.2	571.4	613.1
72.5°	288.7	277.8	406.8	519.9	563.5
75°	204.4	231.2	348.2	461.3	492.1
77.5°	140.9	188.5	298.6	396.8	421.6
80°	92.3	150.8	254.0	341.3	358.1
82.5°	55.6	121.0	220.2	298.6	307.5
85°	28.8	98.2	197.4	268.9	272.8
87.5°	8.9	82.3	184.5	255.0	259.9
90°	1.0	73.4	176.6	209.3	193.5
92.5°	0.0	69.4	152.8	142.9	128.0
95°	0.0	68.5	122.0	108.1	102.2
97.5°	0.0	66.5	100.2	90.3	87.3
100°	0.0	64.5	86.3	79.4	78.4
102.5°	0.0	63.5	78.4	72.4	71.4
105°	0.0	61.5	75.4	68.5	67.5
107.5°	0.0	58.5	73.4	66.5	64.5
110°	0.0	55.6	73.4	65.5	62.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	52.6	73.4	64.5	61.5
115°	0.0	50.6	72.4	64.5	61.5
117.5°	1.0	48.6	71.4	64.5	61.5
120°	0.0	46.6	69.4	64.5	60.5
122.5°	1.0	43.7	67.5	63.5	60.5
125°	1.0	40.7	64.5	62.5	59.5
127.5°	1.0	37.7	61.5	60.5	57.5
130°	1.0	34.7	58.5	59.5	56.5
132.5°	1.0	31.7	54.6	57.5	55.6
135°	1.0	28.8	51.6	56.5	54.6
137.5°	1.0	25.8	47.6	53.6	53.6
140°	1.0	22.8	43.7	51.6	52.6
142.5°	1.0	20.8	39.7	49.6	50.6
145°	1.0	17.9	35.7	45.6	48.6
147.5°	1.0	15.9	31.7	41.7	45.6
150°	1.0	13.9	27.8	37.7	41.7
152.5°	1.0	11.9	24.8	32.7	38.7
155°	2.0	10.9	21.8	28.8	34.7
157.5°	2.0	8.9	17.9	24.8	29.8
160°	2.0	7.9	15.9	20.8	26.8
162.5°	2.0	6.9	12.9	17.9	22.8
165°	2.0	6.0	10.9	13.9	18.8
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)