

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-LD5-64SL-SLN-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 (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-64SL-SLN-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

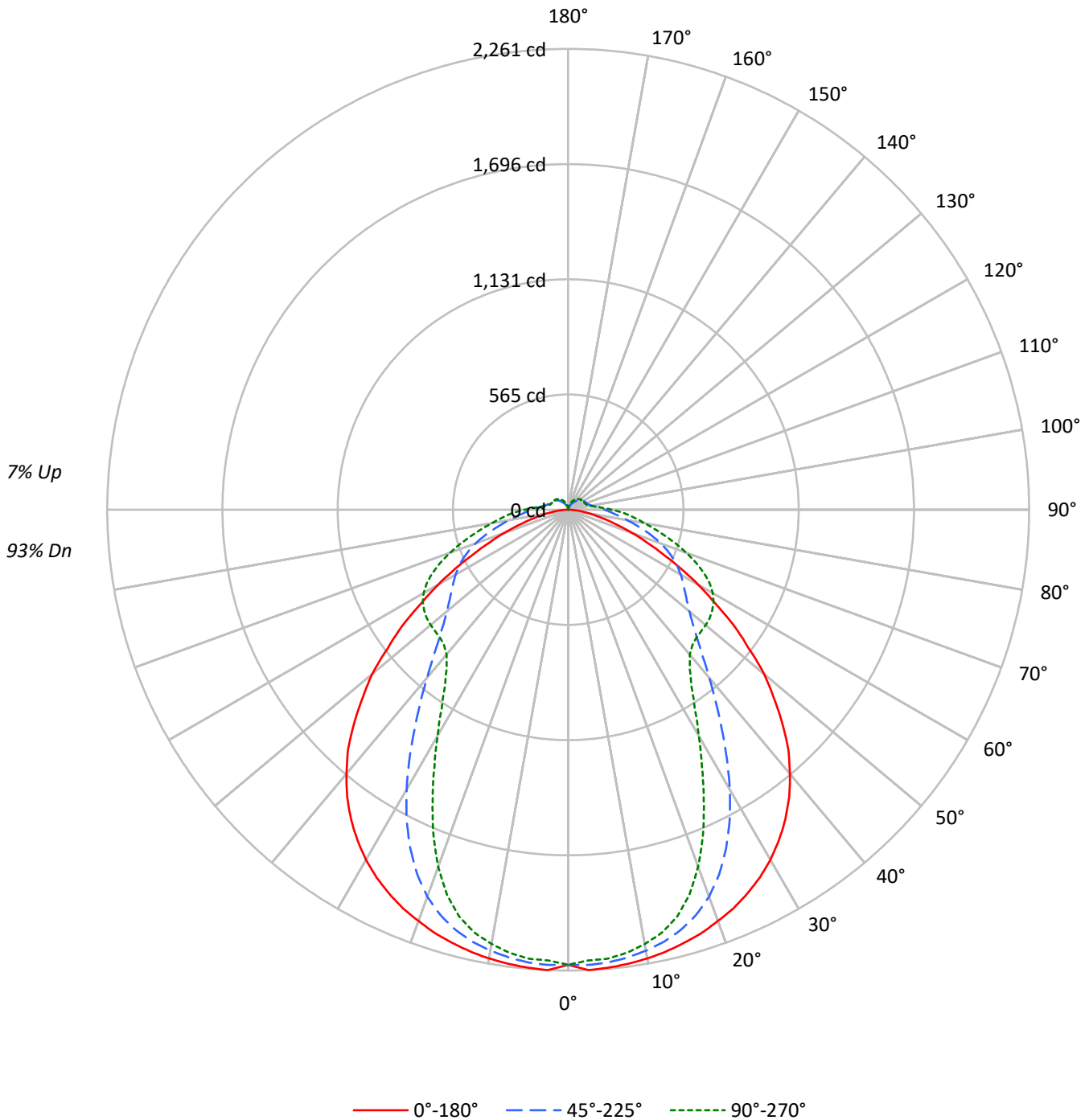
Lumens per Lamp: N/A
Luminaire Lumens: 5615.0 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18042	18042	18042
5°	18251	17644	17368
10°	18245	17156	16654
15°	18251	16582	15704
20°	18259	15727	14103
25°	18267	14412	11943
30°	18179	12681	9823
35°	17920	10789	8232
40°	17396	9137	7441
45°	16474	7941	7385
50°	15218	7259	7645
55°	13401	6977	7912
60°	11307	6878	8021
65°	9095	6725	7771
70°	7305	6378	7167
75°	5508	5773	6360
80°	4068	5183	5658
85°	2719	4891	5203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.2	3.8
10°-20°	597.1	10.6
20°-30°	834.6	14.9
30°-40°	865.7	15.4
40°-50°	799.8	14.2
50°-60°	714.1	12.7
60°-70°	578.7	10.3
70°-80°	384.9	6.9
80°-90°	220.4	3.9
90°-100°	121.9	2.2
100°-110°	82.6	1.5
110°-120°	68.8	1.2
120°-130°	55.9	1.0
130°-140°	40.3	0.7
140°-150°	24.3	0.4
150°-160°	11.7	0.2
160°-170°	3.0	0.1
170°-180°	0.0	0.0
0°-30°	1642.9	29.3
0°-40°	2508.6	44.7
0°-60°	4022.5	71.6
0°-90°	5206.5	92.7
90°-120°	273.3	4.9
90°-150°	393.8	7.0
90°-180°	409.0	7.3
0°-180°	5615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2233	2233	2233	2233	2233	
5°	2256	2218	2230	2214	2211	215
15°	2200	2153	2135	2086	2066	622
25°	2078	1986	1833	1641	1574	958
35°	1856	1652	1314	1103	1054	1158
45°	1487	1178	895	863	889	1143
55°	994	751	699	812	863	883
65°	508	454	569	697	734	513
75°	197	246	383	470	489	216
85°	40	114	226	289	297	46
90°	2	80	178	215	214	3
95°	2	68	142	151	146	1
105°	1	59	102	99	94	1
115°	1	53	90	89	86	1
125°	1	46	80	83	82	1
135°	2	34	63	74	74	1
145°	2	21	44	57	61	1
155°	2	14	27	36	44	1
165°	2	8	14	18	23	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°	2232.7	2232.7	2232.7	2232.7	2232.7
2.5°	2260.9	2224.0	2235.7	2226.0	2213.3
5°	2256.0	2218.2	2229.8	2214.3	2211.4
7.5°	2247.3	2209.5	2216.3	2197.8	2193.0
10°	2235.7	2195.9	2196.8	2170.6	2163.9
12.5°	2220.1	2176.5	2170.6	2134.7	2125.0
15°	2199.8	2153.2	2134.7	2086.2	2065.9
17.5°	2177.4	2123.1	2085.3	2010.5	1978.5
20°	2147.4	2086.2	2020.2	1906.7	1864.0
22.5°	2117.3	2041.6	1935.8	1784.5	1727.2
25°	2078.5	1986.3	1833.0	1640.8	1573.9
27.5°	2034.8	1921.3	1714.6	1493.4	1421.5
30°	1983.4	1842.7	1584.6	1348.8	1280.8
32.5°	1923.2	1754.4	1447.7	1218.7	1155.7
35°	1856.3	1652.5	1313.8	1103.3	1053.8
37.5°	1779.6	1540.9	1189.6	1010.1	978.1
40°	1692.3	1419.6	1075.1	938.3	927.6
42.5°	1598.1	1301.2	977.1	891.7	901.4
45°	1486.6	1178.0	894.7	862.6	888.8
47.5°	1369.1	1057.7	827.7	846.1	884.0
50°	1255.6	946.1	775.3	835.5	880.1
52.5°	1114.9	846.1	733.6	825.8	874.3
55°	993.6	751.0	698.6	812.2	862.6
57.5°	853.9	665.7	667.6	794.7	845.2
60°	737.5	588.0	637.5	770.4	819.0
62.5°	619.1	518.2	604.5	738.4	782.1
65°	507.5	454.1	568.6	696.7	733.6
67.5°	414.3	395.9	527.9	646.2	677.3
70°	335.7	342.5	483.2	590.0	616.2
72.5°	258.1	293.0	434.7	529.8	552.1
75°	197.0	246.5	383.3	469.6	489.1
77.5°	145.6	205.7	336.7	415.3	431.8
80°	102.9	169.8	293.0	367.8	380.4
82.5°	68.9	139.7	257.1	325.1	336.7
85°	39.8	114.5	226.1	289.2	296.9
87.5°	16.5	95.1	200.9	252.3	256.2
90°	1.9	80.5	178.5	215.4	213.5
92.5°	1.9	72.8	159.1	180.5	175.6
95°	1.9	67.9	141.7	151.4	146.5
97.5°	1.9	65.0	126.1	130.0	125.2
100°	1.0	63.1	115.5	115.5	110.6
102.5°	1.0	61.1	107.7	104.8	100.9
105°	1.0	59.2	101.9	99.0	94.1
107.5°	1.0	58.2	98.0	95.1	90.2
110°	1.0	56.3	95.1	92.2	88.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	55.3	93.2	91.2	86.4
115°	1.0	53.4	90.2	89.3	86.4
117.5°	1.0	51.4	88.3	88.3	85.4
120°	1.0	49.5	85.4	87.3	84.4
122.5°	1.0	47.5	82.5	85.4	82.5
125°	1.0	45.6	79.6	83.4	81.5
127.5°	1.9	42.7	75.7	81.5	79.6
130°	1.0	39.8	71.8	79.6	78.6
132.5°	1.9	36.9	67.9	76.7	76.7
135°	1.9	34.0	63.1	73.7	73.7
137.5°	1.9	30.1	58.2	69.9	70.8
140°	1.9	27.2	53.4	66.0	67.9
142.5°	1.9	24.3	48.5	62.1	65.0
145°	1.9	21.3	43.7	57.2	61.1
147.5°	1.9	19.4	38.8	51.4	57.2
150°	1.9	16.5	34.9	46.6	52.4
152.5°	1.9	14.6	31.1	41.7	48.5
155°	1.9	13.6	27.2	35.9	43.7
157.5°	1.9	11.6	23.3	31.1	38.8
160°	1.9	9.7	19.4	27.2	33.0
162.5°	1.9	8.7	16.5	22.3	29.1
165°	1.9	7.8	13.6	17.5	23.3
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)