

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-LD5-55HL-SLC-UNV-L935-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-LD5-55HL-SLC-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

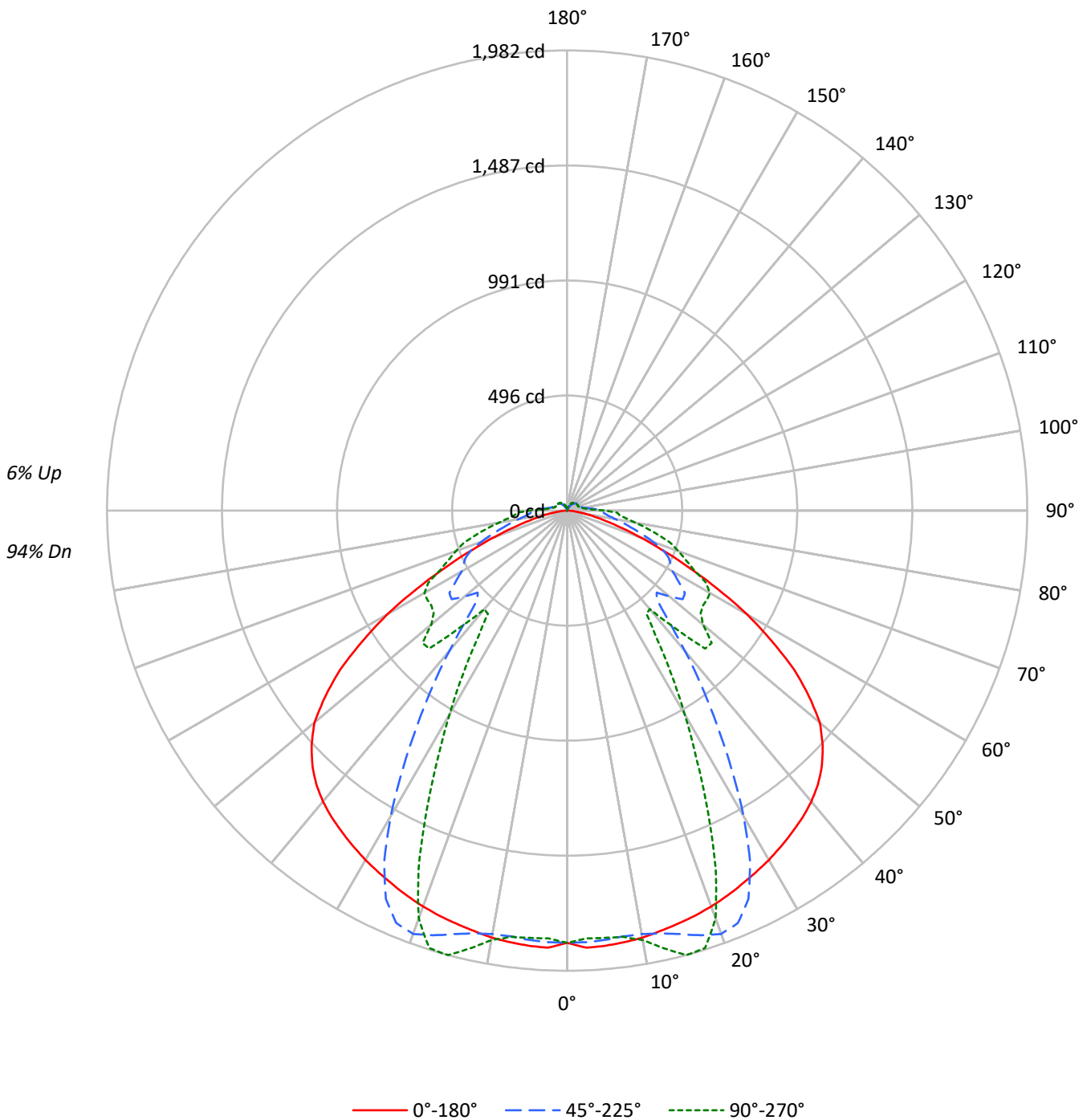
Lumens per Lamp: N/A
Luminaire Lumens: 4781.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 39
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°	15040	15040	15040
5°	15223	14689	14508
10°	15243	14464	14457
15°	15284	14668	15068
20°	15426	15105	14144
25°	15619	14517	10891
30°	15926	12158	7747
35°	16321	9208	5246
40°	16820	6694	4442
45°	17201	4856	6983
50°	17226	5377	6627
55°	16101	6188	6544
60°	13719	5662	6956
65°	10320	5711	6362
70°	7244	5198	5923
75°	4745	4356	5315
80°	3028	3731	4423
85°	1633	3547	3971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.1	3.7
10°-20°	534.7	11.2
20°-30°	776.8	16.2
30°-40°	742.2	15.5
40°-50°	678.9	14.2
50°-60°	626.8	13.1
60°-70°	497.9	10.4
70°-80°	307.3	6.4
80°-90°	167.3	3.5
90°-100°	84.6	1.8
100°-110°	53.1	1.1
110°-120°	45.0	0.9
120°-130°	36.8	0.8
130°-140°	26.4	0.6
140°-150°	16.3	0.3
150°-160°	7.7	0.2
160°-170°	2.0	0.0
170°-180°	0.0	0.0
0°-30°	1488.6	31.1
0°-40°	2230.8	46.7
0°-60°	3536.5	74.0
0°-90°	4509.1	94.3
90°-120°	182.8	3.8
90°-150°	262.2	5.5
90°-180°	272.0	5.7
0°-180°	4781.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1861	1861	1861	1861	1861	
5°	1882	1853	1856	1846	1847	179
15°	1842	1818	1888	1958	1982	521
25°	1777	1812	1846	1563	1435	821
35°	1691	1664	1121	772	672	1060
45°	1552	1083	547	698	840	1193
55°	1194	555	620	666	714	1051
65°	576	360	483	587	601	582
75°	170	192	289	383	409	192
85°	24	82	164	223	227	30
90°	1	61	147	174	161	1
95°	0	57	101	90	85	0
105°	0	51	63	57	56	0
115°	0	42	60	54	51	0
125°	1	34	54	52	49	1
135°	1	24	43	47	45	1
145°	1	15	30	38	40	1
155°	2	9	18	24	29	1
165°	2	5	9	12	16	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°	1861.2	1861.2	1861.2	1861.2	1861.2
2.5°	1884.3	1857.1	1860.4	1854.6	1844.7
5°	1881.8	1853.0	1856.3	1846.4	1847.2
7.5°	1875.2	1845.5	1849.7	1848.0	1852.1
10°	1867.8	1836.5	1852.1	1866.1	1878.5
12.5°	1854.6	1826.6	1864.5	1905.7	1931.2
15°	1842.2	1817.5	1888.4	1958.4	1982.3
17.5°	1829.9	1814.2	1918.0	1979.0	1975.7
20°	1814.2	1812.6	1940.3	1919.7	1869.4
22.5°	1796.9	1813.4	1923.0	1772.2	1673.3
25°	1777.2	1811.8	1846.4	1562.9	1435.2
27.5°	1757.4	1804.3	1707.1	1333.9	1207.8
30°	1737.6	1784.6	1519.3	1124.6	1010.1
32.5°	1714.5	1741.7	1314.9	939.2	833.8
35°	1690.6	1663.5	1121.3	772.0	671.5
37.5°	1665.9	1550.6	947.5	625.3	561.1
40°	1636.3	1408.9	787.7	536.4	553.7
42.5°	1599.2	1249.0	646.8	562.7	683.0
45°	1552.2	1082.6	547.1	697.8	840.4
47.5°	1492.9	922.8	522.4	799.2	843.7
50°	1421.2	776.1	574.3	766.2	762.9
52.5°	1312.5	654.2	627.0	698.7	725.0
55°	1193.8	555.3	619.6	666.5	713.5
57.5°	1043.9	488.6	568.5	659.9	714.3
60°	894.8	444.1	524.8	659.1	710.2
62.5°	730.0	403.7	502.6	643.5	674.0
65°	575.9	360.0	482.8	586.6	600.6
67.5°	441.6	315.6	448.2	523.2	551.2
70°	332.9	271.9	393.8	474.6	509.2
72.5°	239.8	230.7	337.8	431.7	468.0
75°	169.7	192.0	289.2	383.1	408.7
77.5°	117.0	156.5	248.0	329.6	350.2
80°	76.6	125.2	210.9	283.4	297.4
82.5°	46.1	100.5	182.9	248.0	255.4
85°	23.9	81.6	164.0	223.3	226.6
87.5°	7.4	68.4	153.2	211.7	215.9
90°	0.8	61.0	146.7	173.8	160.7
92.5°	0.0	57.7	126.9	118.6	106.3
95°	0.0	56.8	101.3	89.8	84.9
97.5°	0.0	55.2	83.2	75.0	72.5
100°	0.0	53.6	71.7	65.9	65.1
102.5°	0.0	52.7	65.1	60.1	59.3
105°	0.0	51.1	62.6	56.8	56.0
107.5°	0.0	48.6	61.0	55.2	53.6
110°	0.0	46.1	61.0	54.4	51.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	43.7	61.0	53.6	51.1
115°	0.0	42.0	60.1	53.6	51.1
117.5°	0.8	40.4	59.3	53.6	51.1
120°	0.0	38.7	57.7	53.6	50.3
122.5°	0.8	36.3	56.0	52.7	50.3
125°	0.8	33.8	53.6	51.9	49.4
127.5°	0.8	31.3	51.1	50.3	47.8
130°	0.8	28.8	48.6	49.4	47.0
132.5°	0.8	26.4	45.3	47.8	46.1
135°	0.8	23.9	42.8	47.0	45.3
137.5°	0.8	21.4	39.5	44.5	44.5
140°	0.8	18.9	36.3	42.8	43.7
142.5°	0.8	17.3	33.0	41.2	42.0
145°	0.8	14.8	29.7	37.9	40.4
147.5°	0.8	13.2	26.4	34.6	37.9
150°	0.8	11.5	23.1	31.3	34.6
152.5°	0.8	9.9	20.6	27.2	32.1
155°	1.6	9.1	18.1	23.9	28.8
157.5°	1.6	7.4	14.8	20.6	24.7
160°	1.6	6.6	13.2	17.3	22.2
162.5°	1.6	5.8	10.7	14.8	18.9
165°	1.6	4.9	9.1	11.5	15.7
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)