

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-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-LD5-55HL-SLC-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

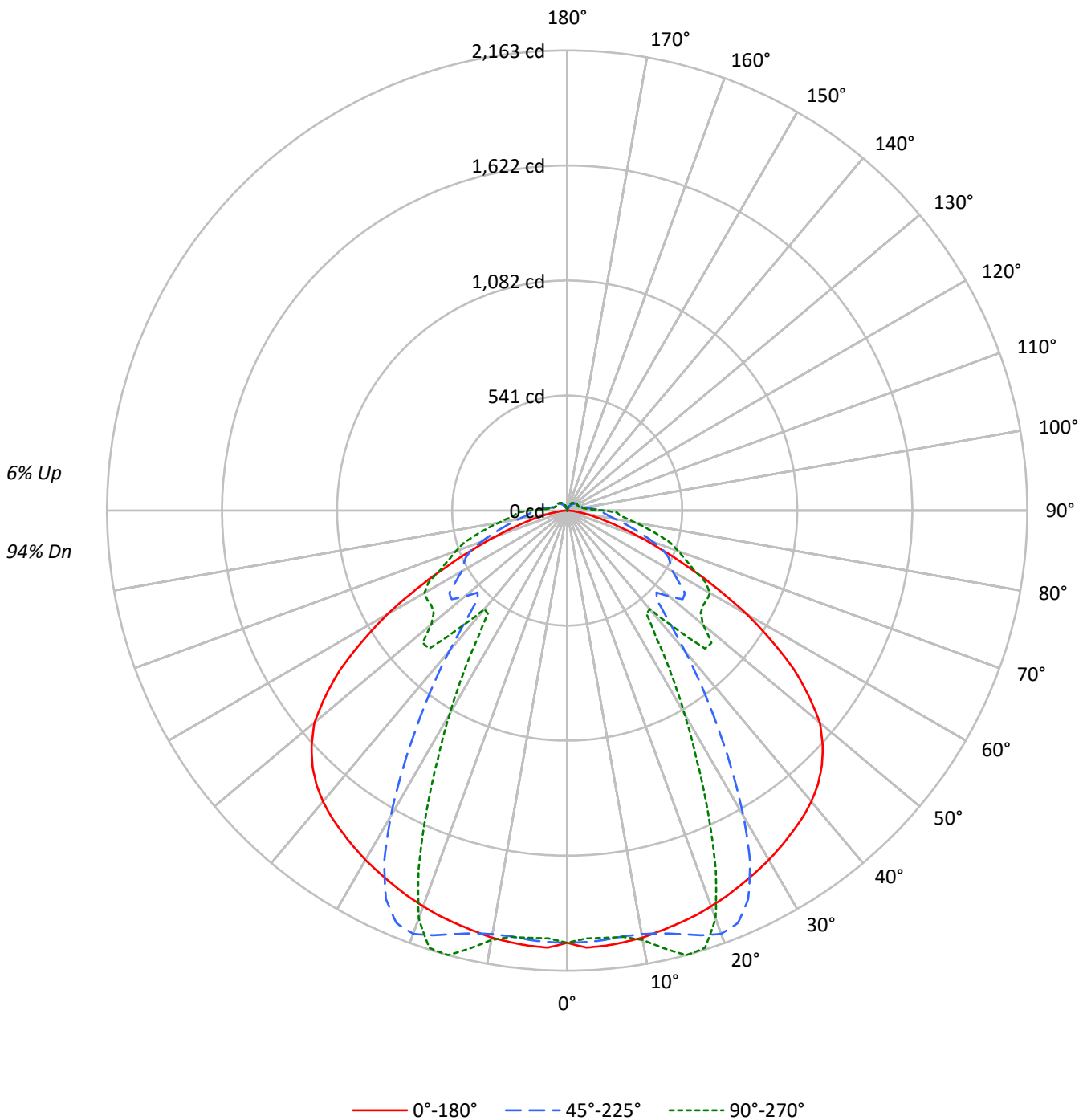
Lumens per Lamp: N/A
Luminaire Lumens: 5217.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

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	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°	16412	16412	16412
5°	16612	16027	15830
10°	16632	15783	15776
15°	16679	16006	16443
20°	16833	16482	15434
25°	17042	15840	11884
30°	17379	13267	8453
35°	17809	10048	5724
40°	18354	7305	4847
45°	18771	5299	7620
50°	18796	5867	7231
55°	17569	6753	7141
60°	14970	6179	7590
65°	11261	6231	6943
70°	7903	5672	6462
75°	5178	4753	5799
80°	3305	4072	4828
85°	1783	3870	4332



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.2	3.7
10°-20°	583.5	11.2
20°-30°	847.6	16.2
30°-40°	809.9	15.5
40°-50°	740.8	14.2
50°-60°	684.0	13.1
60°-70°	543.3	10.4
70°-80°	335.4	6.4
80°-90°	182.6	3.5
90°-100°	92.3	1.8
100°-110°	58.0	1.1
110°-120°	49.1	0.9
120°-130°	40.1	0.8
130°-140°	28.8	0.6
140°-150°	17.8	0.3
150°-160°	8.4	0.2
160°-170°	2.2	0.0
170°-180°	0.0	0.0
0°-30°	1624.3	31.1
0°-40°	2434.2	46.7
0°-60°	3859.0	74.0
0°-90°	4920.3	94.3
90°-120°	199.4	3.8
90°-150°	286.0	5.5
90°-180°	297.0	5.7
0°-180°	5217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2031	2031	2031	2031	2031	
5°	2053	2022	2026	2015	2016	195
15°	2010	1983	2061	2137	2163	569
25°	1939	1977	2015	1706	1566	896
35°	1845	1815	1224	842	733	1157
45°	1694	1181	597	762	917	1302
55°	1303	606	676	727	779	1147
65°	628	393	527	640	655	635
75°	185	210	316	418	446	210
85°	26	89	179	244	247	33
90°	1	66	160	190	175	1
95°	0	62	111	98	93	0
105°	0	56	68	62	61	0
115°	0	46	66	58	56	0
125°	1	37	58	57	54	1
135°	1	26	47	51	49	1
145°	1	16	32	41	44	1
155°	2	10	20	26	32	1
165°	2	5	10	13	17	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°	2030.9	2030.9	2030.9	2030.9	2030.9
2.5°	2056.1	2026.4	2030.0	2023.7	2012.9
5°	2053.4	2021.9	2025.5	2014.7	2015.6
7.5°	2046.2	2013.8	2018.3	2016.5	2021.0
10°	2038.1	2004.0	2021.0	2036.3	2049.8
12.5°	2023.7	1993.2	2034.5	2079.5	2107.3
15°	2010.3	1983.3	2060.6	2137.0	2163.1
17.5°	1996.8	1979.7	2093.0	2159.5	2155.9
20°	1979.7	1977.9	2117.2	2094.8	2039.9
22.5°	1960.8	1978.8	2098.4	1933.8	1825.9
25°	1939.2	1977.0	2014.7	1705.5	1566.1
27.5°	1917.6	1968.9	1862.8	1455.5	1318.0
30°	1896.1	1947.3	1657.8	1227.2	1102.2
32.5°	1870.9	1900.6	1434.9	1024.9	909.8
35°	1844.8	1815.2	1223.6	842.4	732.7
37.5°	1817.9	1692.0	1033.9	682.4	612.2
40°	1785.5	1537.4	859.5	585.3	604.2
42.5°	1745.0	1362.9	705.7	614.0	745.3
45°	1693.8	1181.3	597.0	761.5	917.0
47.5°	1629.1	1006.9	570.0	872.1	920.6
50°	1550.8	846.9	626.6	836.1	832.5
52.5°	1432.2	713.8	684.2	762.4	791.2
55°	1302.7	606.0	676.1	727.3	778.6
57.5°	1139.1	533.1	620.3	720.1	779.5
60°	976.4	484.6	572.7	719.2	775.0
62.5°	796.5	440.5	548.4	702.1	735.4
65°	628.4	392.9	526.8	640.1	655.4
67.5°	481.9	344.3	489.1	570.9	601.5
70°	363.2	296.7	429.7	517.8	555.6
72.5°	261.6	251.7	368.6	471.1	510.7
75°	185.2	209.5	315.6	418.1	445.9
77.5°	127.7	170.8	270.6	359.6	382.1
80°	83.6	136.7	230.2	309.3	324.6
82.5°	50.3	109.7	199.6	270.6	278.7
85°	26.1	89.0	178.9	243.6	247.2
87.5°	8.1	74.6	167.2	231.1	235.5
90°	0.9	66.5	160.0	189.7	175.3
92.5°	0.0	62.9	138.5	129.5	116.0
95°	0.0	62.0	110.6	98.0	92.6
97.5°	0.0	60.2	90.8	81.8	79.1
100°	0.0	58.4	78.2	71.9	71.0
102.5°	0.0	57.5	71.0	65.6	64.7
105°	0.0	55.7	68.3	62.0	61.1
107.5°	0.0	53.0	66.5	60.2	58.4
110°	0.0	50.3	66.5	59.3	56.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	47.6	66.5	58.4	55.7
115°	0.0	45.9	65.6	58.4	55.7
117.5°	0.9	44.1	64.7	58.4	55.7
120°	0.0	42.3	62.9	58.4	54.8
122.5°	0.9	39.6	61.1	57.5	54.8
125°	0.9	36.9	58.4	56.6	53.9
127.5°	0.9	34.2	55.7	54.8	52.1
130°	0.9	31.5	53.0	53.9	51.2
132.5°	0.9	28.8	49.4	52.1	50.3
135°	0.9	26.1	46.8	51.2	49.4
137.5°	0.9	23.4	43.2	48.5	48.5
140°	0.9	20.7	39.6	46.8	47.6
142.5°	0.9	18.9	36.0	45.0	45.9
145°	0.9	16.2	32.4	41.4	44.1
147.5°	0.9	14.4	28.8	37.8	41.4
150°	0.9	12.6	25.2	34.2	37.8
152.5°	0.9	10.8	22.5	29.7	35.1
155°	1.8	9.9	19.8	26.1	31.5
157.5°	1.8	8.1	16.2	22.5	27.0
160°	1.8	7.2	14.4	18.9	24.3
162.5°	1.8	6.3	11.7	16.2	20.7
165°	1.8	5.4	9.9	12.6	17.1
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)