

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: **8SNLED-LD5-80SL-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 (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-80SL-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

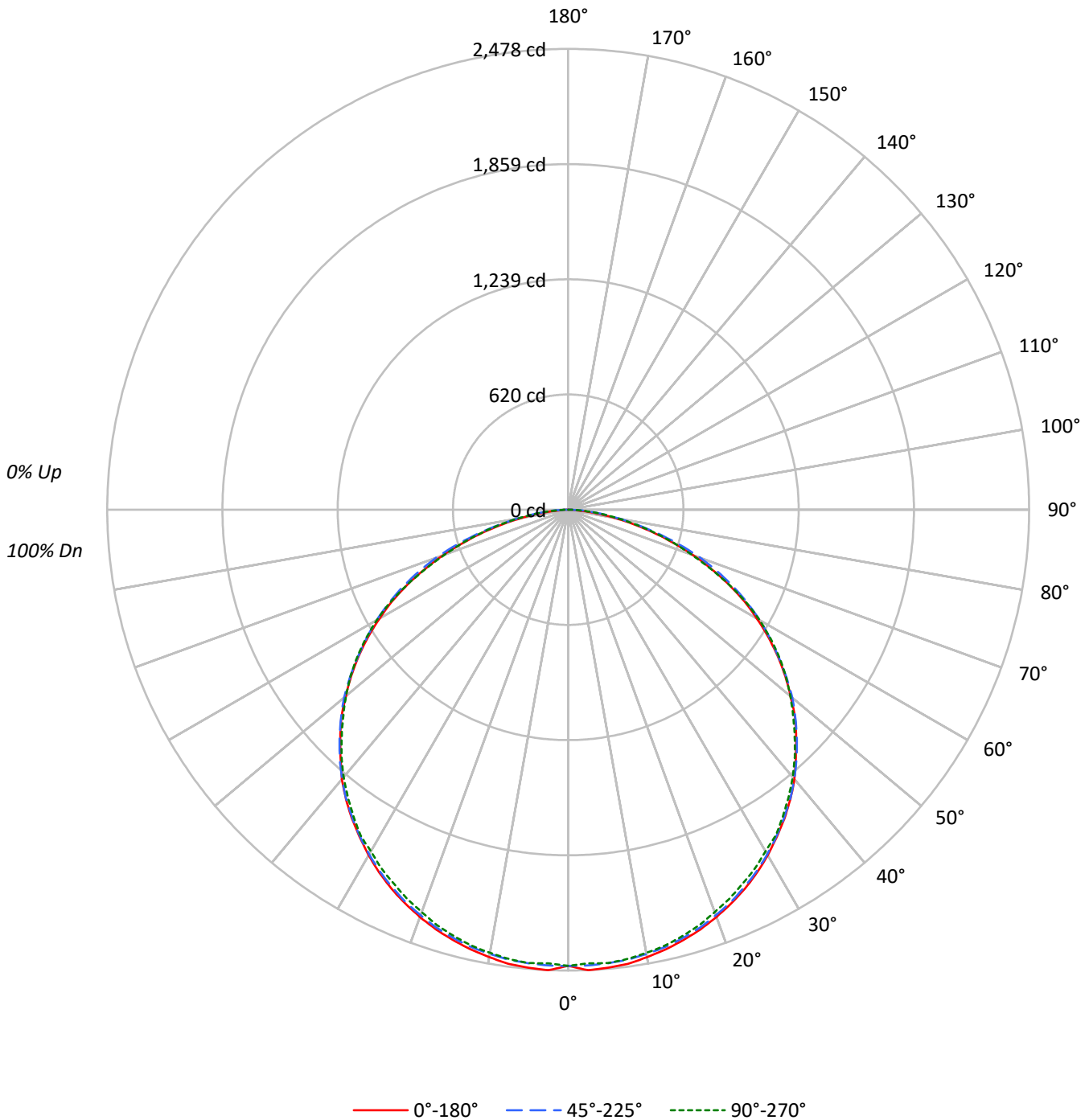
Lumens per Lamp: N/A
Luminaire Lumens: 7358.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9911	9911	9911
5°	10014	9694	9608
10°	9996	9490	9311
15°	9978	9285	9020
20°	9964	9066	8709
25°	9951	8845	8419
30°	9920	8607	8133
35°	9889	8360	7859
40°	9850	8095	7530
45°	9749	7779	7153
50°	9627	7434	6770
55°	9476	6970	6357
60°	9211	6498	5817
65°	8813	5880	5059
70°	8100	5064	4102
75°	6973	3876	3153
80°	5339	2563	2067
85°	2938	1256	923



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.8	3.2
10°-20°	671.4	9.1
20°-30°	1027.7	14.0
30°-40°	1259.1	17.1
40°-50°	1331.8	18.1
50°-60°	1229.3	16.7
60°-70°	948.8	12.9
70°-80°	526.6	7.2
80°-90°	130.5	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1931.9	26.3
0°-40°	3191.0	43.4
0°-60°	5752.1	78.2
0°-90°	7358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7358.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2453	2453	2453	2453	2453	
5°	2472	2441	2448	2442	2447	235
15°	2395	2367	2384	2376	2373	677
25°	2248	2221	2240	2220	2219	1036
35°	2027	2005	2023	2001	2012	1268
45°	1733	1717	1738	1719	1722	1337
55°	1375	1364	1380	1379	1386	1227
65°	953	943	980	974	955	939
75°	473	501	504	503	485	501
85°	75	110	113	114	105	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2452.8	2452.8	2452.8	2452.8	2452.8
2.5°	2478.5	2446.7	2452.8	2449.1	2441.8
5°	2472.4	2440.6	2447.9	2441.8	2446.7
7.5°	2462.6	2428.3	2440.6	2432.0	2436.9
10°	2443.0	2413.6	2425.9	2416.1	2419.7
12.5°	2422.2	2391.6	2408.7	2396.5	2401.4
15°	2395.3	2367.1	2384.2	2375.7	2373.2
17.5°	2365.9	2338.9	2356.1	2346.3	2342.6
20°	2330.4	2304.6	2320.6	2305.9	2302.2
22.5°	2291.2	2265.4	2283.8	2263.0	2264.2
25°	2248.3	2221.4	2239.7	2220.1	2218.9
27.5°	2199.3	2173.6	2193.2	2172.4	2174.8
30°	2145.4	2119.7	2139.3	2118.5	2120.9
32.5°	2086.7	2065.8	2083.0	2063.4	2076.9
35°	2026.7	2004.6	2023.0	2000.9	2012.0
37.5°	1961.8	1940.9	1960.5	1936.0	1945.8
40°	1892.0	1873.6	1890.7	1868.7	1877.3
42.5°	1811.1	1800.1	1817.3	1795.2	1802.6
45°	1732.8	1716.8	1737.7	1719.3	1721.7
47.5°	1654.4	1637.2	1656.8	1640.9	1639.7
50°	1560.1	1554.0	1572.3	1560.1	1558.9
52.5°	1470.7	1458.5	1478.1	1471.9	1475.6
55°	1375.2	1364.2	1380.1	1378.9	1386.2
57.5°	1276.0	1265.0	1285.8	1283.3	1289.5
60°	1170.7	1162.1	1189.1	1182.9	1187.8
62.5°	1067.8	1051.9	1086.2	1081.3	1078.8
65°	952.7	942.9	979.7	973.5	955.2
67.5°	833.9	830.3	868.2	856.0	825.4
70°	715.1	717.6	754.3	731.1	705.4
72.5°	590.2	608.6	630.7	613.5	595.1
75°	472.7	500.8	504.5	503.3	484.9
77.5°	357.6	393.1	384.5	393.1	378.4
80°	249.8	289.0	282.9	290.2	278.0
82.5°	154.3	189.8	191.0	195.9	184.9
85°	74.7	110.2	112.7	113.9	105.3
87.5°	15.9	51.4	52.7	49.0	42.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)