

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-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 (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-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

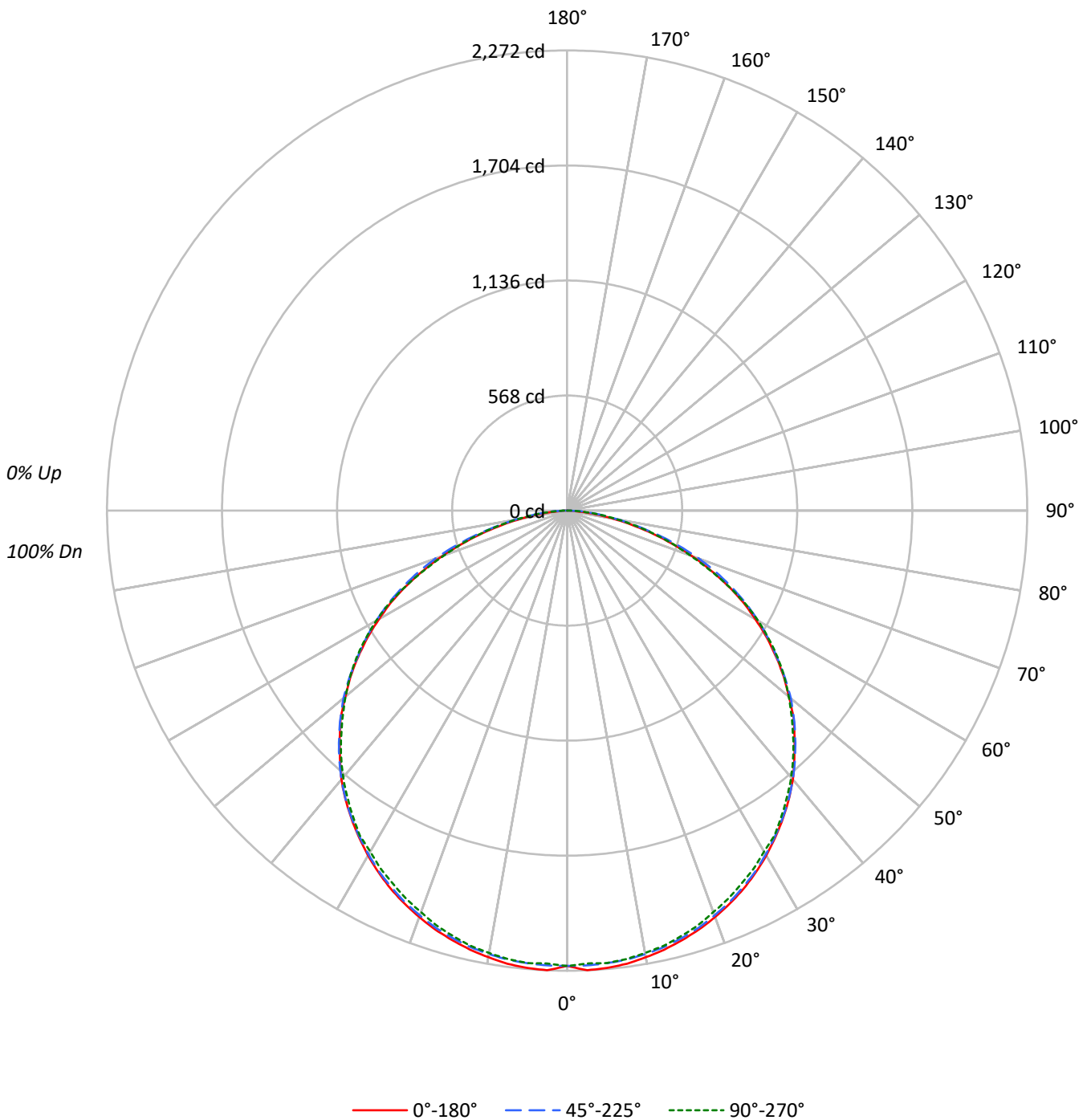
Lumens per Lamp: N/A
Luminaire Lumens: 6744.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	9083	9083	9083
5°	9179	8885	8806
10°	9162	8698	8534
15°	9145	8511	8267
20°	9132	8309	7982
25°	9121	8107	7716
30°	9092	7889	7454
35°	9063	7663	7203
40°	9028	7419	6902
45°	8936	7130	6556
50°	8824	6814	6205
55°	8685	6388	5826
60°	8442	5955	5331
65°	8078	5389	4637
70°	7425	4642	3760
75°	6390	3553	2890
80°	4895	2349	1895
85°	2694	1151	846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.4	3.2
10°-20°	615.3	9.1
20°-30°	941.9	14.0
30°-40°	1154.1	17.1
40°-50°	1220.7	18.1
50°-60°	1126.7	16.7
60°-70°	869.7	12.9
70°-80°	482.7	7.2
80°-90°	119.6	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°	1770.6	26.3
0°-40°	2924.7	43.4
0°-60°	5272.1	78.2
0°-90°	6744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6744.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2248	2248	2248	2248	2248	
5°	2266	2237	2244	2238	2242	215
15°	2195	2170	2185	2177	2175	620
25°	2061	2036	2053	2035	2034	950
35°	1858	1837	1854	1834	1844	1162
45°	1588	1574	1593	1576	1578	1226
55°	1260	1250	1265	1264	1270	1125
65°	873	864	898	892	876	861
75°	433	459	462	461	444	460
85°	68	101	103	104	96	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2248.1	2248.1	2248.1	2248.1	2248.1
2.5°	2271.7	2242.5	2248.1	2244.8	2238.0
5°	2266.1	2236.9	2243.6	2238.0	2242.5
7.5°	2257.1	2225.7	2236.9	2229.0	2233.5
10°	2239.2	2212.2	2223.4	2214.5	2217.8
12.5°	2220.1	2192.0	2207.7	2196.5	2201.0
15°	2195.4	2169.6	2185.3	2177.4	2175.2
17.5°	2168.4	2143.7	2159.5	2150.5	2147.1
20°	2135.9	2112.3	2126.9	2113.4	2110.1
22.5°	2100.0	2076.4	2093.2	2074.2	2075.3
25°	2060.7	2036.0	2052.8	2034.9	2033.8
27.5°	2015.8	1992.2	2010.2	1991.1	1993.3
30°	1966.4	1942.8	1960.8	1941.7	1944.0
32.5°	1912.5	1893.5	1909.2	1891.2	1903.6
35°	1857.5	1837.3	1854.2	1834.0	1844.1
37.5°	1798.1	1779.0	1796.9	1774.5	1783.5
40°	1734.1	1717.2	1733.0	1712.8	1720.6
42.5°	1660.0	1649.9	1665.6	1645.4	1652.1
45°	1588.2	1573.6	1592.7	1575.8	1578.1
47.5°	1516.3	1500.6	1518.6	1504.0	1502.9
50°	1429.9	1424.3	1441.1	1429.9	1428.8
52.5°	1348.0	1336.8	1354.7	1349.1	1352.5
55°	1260.4	1250.3	1264.9	1263.8	1270.5
57.5°	1169.5	1159.4	1178.5	1176.3	1181.9
60°	1073.0	1065.1	1089.8	1084.2	1088.7
62.5°	978.7	964.1	995.6	991.1	988.8
65°	873.2	864.2	897.9	892.3	875.5
67.5°	764.3	761.0	795.8	784.5	756.5
70°	655.5	657.7	691.4	670.1	646.5
72.5°	541.0	557.8	578.0	562.3	545.5
75°	433.2	459.1	462.4	461.3	444.5
77.5°	327.7	360.3	352.4	360.3	346.8
80°	229.0	264.9	259.3	266.0	254.8
82.5°	141.4	174.0	175.1	179.6	169.5
85°	68.5	101.0	103.3	104.4	96.5
87.5°	14.6	47.1	48.3	44.9	39.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)