

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-L930-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-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

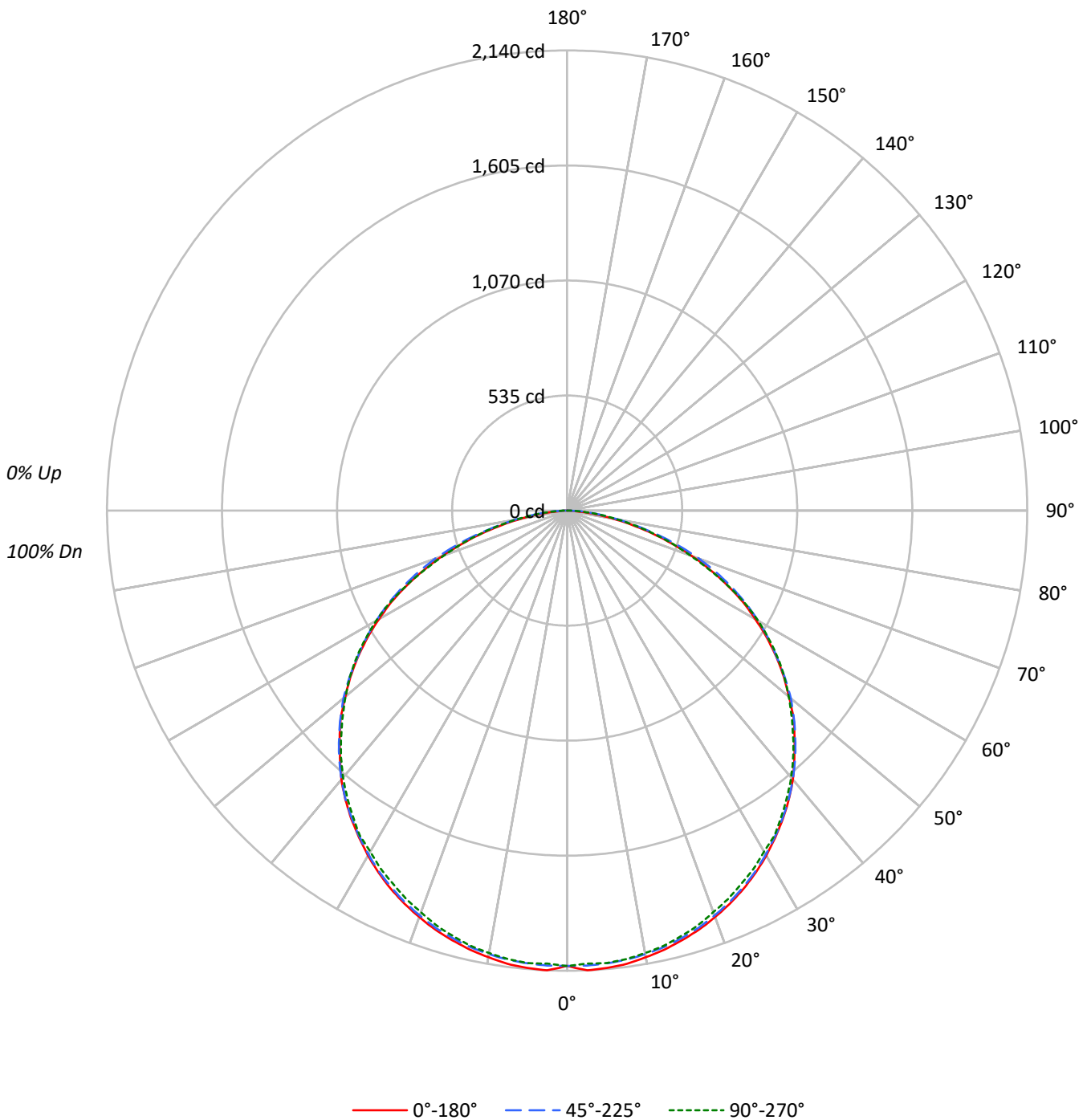
Lumens per Lamp: N/A
Luminaire Lumens: 6353.0 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	8557	8557	8557
5°	8646	8370	8296
10°	8630	8194	8040
15°	8615	8017	7788
20°	8603	7827	7519
25°	8592	7637	7269
30°	8565	7432	7022
35°	8538	7218	6785
40°	8504	6989	6502
45°	8417	6716	6176
50°	8312	6419	5846
55°	8182	6018	5489
60°	7953	5610	5022
65°	7610	5076	4368
70°	6995	4373	3542
75°	6020	3347	2722
80°	4610	2213	1785
85°	2537	1084	797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.0	3.2
10°-20°	579.7	9.1
20°-30°	887.3	14.0
30°-40°	1087.2	17.1
40°-50°	1149.9	18.1
50°-60°	1061.4	16.7
60°-70°	819.2	12.9
70°-80°	454.7	7.2
80°-90°	112.6	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°	1668.0	26.3
0°-40°	2755.1	43.4
0°-60°	4966.4	78.2
0°-90°	6353.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6353.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2118	2118	2118	2118	2118	
5°	2135	2107	2114	2108	2112	203
15°	2068	2044	2059	2051	2049	584
25°	1941	1918	1934	1917	1916	895
35°	1750	1731	1747	1728	1737	1095
45°	1496	1482	1500	1484	1487	1155
55°	1187	1178	1192	1190	1197	1060
65°	823	814	846	841	825	811
75°	408	432	436	435	419	433
85°	64	95	97	98	91	87
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2117.8	2117.8	2117.8	2117.8	2117.8
2.5°	2140.0	2112.5	2117.8	2114.6	2108.3
5°	2134.7	2107.2	2113.6	2108.3	2112.5
7.5°	2126.2	2096.6	2107.2	2099.8	2104.0
10°	2109.3	2084.0	2094.5	2086.1	2089.2
12.5°	2091.4	2064.9	2079.7	2069.2	2073.4
15°	2068.1	2043.8	2058.6	2051.2	2049.1
17.5°	2042.7	2019.5	2034.3	2025.8	2022.6
20°	2012.1	1989.9	2003.6	1990.9	1987.7
22.5°	1978.2	1956.0	1971.9	1953.9	1955.0
25°	1941.2	1918.0	1933.8	1916.9	1915.8
27.5°	1898.9	1876.7	1893.6	1875.7	1877.8
30°	1852.4	1830.2	1847.1	1829.1	1831.3
32.5°	1801.7	1783.7	1798.5	1781.6	1793.2
35°	1749.8	1730.8	1746.7	1727.6	1737.2
37.5°	1693.8	1675.8	1692.8	1671.6	1680.1
40°	1633.5	1617.7	1632.5	1613.5	1620.9
42.5°	1563.8	1554.2	1569.0	1550.0	1556.4
45°	1496.1	1482.3	1500.3	1484.5	1486.6
47.5°	1428.4	1413.6	1430.5	1416.8	1415.7
50°	1347.0	1341.7	1357.6	1347.0	1346.0
52.5°	1269.8	1259.3	1276.2	1270.9	1274.1
55°	1187.4	1177.8	1191.6	1190.5	1196.9
57.5°	1101.7	1092.2	1110.2	1108.1	1113.3
60°	1010.8	1003.4	1026.6	1021.4	1025.6
62.5°	922.0	908.2	937.8	933.6	931.5
65°	822.6	814.1	845.8	840.6	824.7
67.5°	720.0	716.9	749.6	739.1	712.6
70°	617.5	619.6	651.3	631.2	609.0
72.5°	509.6	525.5	544.5	529.7	513.9
75°	408.1	432.4	435.6	434.6	418.7
77.5°	308.7	339.4	332.0	339.4	326.7
80°	215.7	249.5	244.2	250.6	240.0
82.5°	133.2	163.9	164.9	169.2	159.7
85°	64.5	95.2	97.3	98.3	90.9
87.5°	13.7	44.4	45.5	42.3	37.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)