

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: P217973

Luminaire Tested: **4SNLED-LD5-56HL-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P217973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35691)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-56HL-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5796.0 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

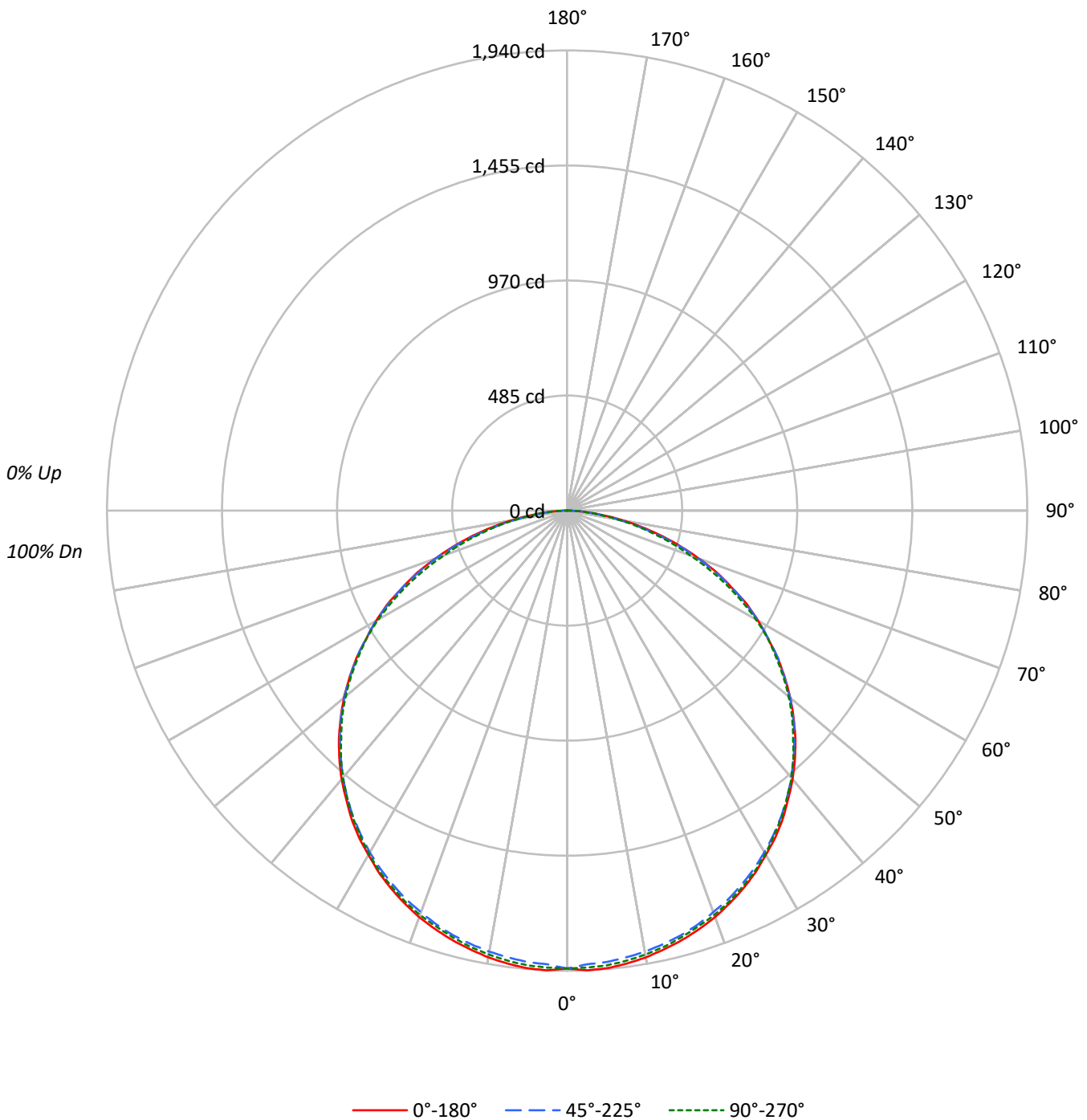
Input Watts (W): 37
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	70	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	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	25	37	30	25	36	30	25	36	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31104	31104	31104
5°	31206	29029	28622
10°	31061	27344	26431
15°	30920	25832	24500
20°	30811	24367	22807
25°	30658	23025	21218
30°	30445	21719	19719
35°	30303	20420	18251
40°	30064	19100	16828
45°	29772	17780	15348
50°	29342	16376	13939
55°	28750	14846	12431
60°	27953	13171	10854
65°	26726	11317	8993
70°	24991	9150	6955
75°	22349	6591	4984
80°	17895	3916	3095
85°	11039	1692	1252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.9	3.2
10°-20°	526.6	9.1
20°-30°	806.9	13.9
30°-40°	987.6	17.0
40°-50°	1045.1	18.0
50°-60°	966.6	16.7
60°-70°	750.6	12.9
70°-80°	422.8	7.3
80°-90°	106.9	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°	1516.4	26.2
0°-40°	2504.0	43.2
0°-60°	4515.7	77.9
0°-90°	5796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1930	1930	1930	1930	1930	
5°	1936	1928	1910	1928	1924	184
15°	1874	1868	1854	1870	1862	529
25°	1758	1752	1740	1754	1750	810
35°	1586	1580	1574	1578	1578	991
45°	1361	1359	1355	1353	1347	1049
55°	1084	1088	1084	1080	1074	967
65°	764	770	766	756	742	758
75°	415	415	397	387	379	437
85°	88	88	86	86	84	110
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1930.3	1930.3	1930.3	1930.3	1930.3
2.5°	1940.3	1932.3	1914.3	1932.3	1928.3
5°	1936.3	1928.3	1910.3	1928.3	1924.3
7.5°	1926.3	1920.3	1900.2	1918.3	1914.3
10°	1912.3	1906.3	1888.2	1906.3	1900.2
12.5°	1894.2	1888.2	1872.2	1888.2	1884.2
15°	1874.2	1868.2	1854.1	1870.2	1862.2
17.5°	1850.1	1846.1	1830.1	1846.1	1838.1
20°	1824.1	1816.1	1802.0	1818.1	1814.1
22.5°	1792.0	1788.0	1774.0	1788.0	1784.0
25°	1757.9	1751.9	1739.9	1753.9	1749.9
27.5°	1719.8	1715.8	1703.8	1713.8	1713.8
30°	1675.7	1673.7	1663.7	1673.7	1671.7
32.5°	1633.6	1629.6	1619.6	1627.6	1623.6
35°	1585.5	1579.5	1573.5	1577.5	1577.5
37.5°	1531.4	1529.4	1523.4	1529.4	1523.4
40°	1479.3	1475.3	1469.3	1471.3	1471.3
42.5°	1421.2	1419.2	1413.2	1413.2	1411.2
45°	1361.0	1359.0	1355.0	1353.0	1347.0
47.5°	1294.9	1292.9	1292.9	1290.9	1286.9
50°	1228.7	1228.7	1226.7	1220.7	1218.7
52.5°	1156.6	1160.6	1154.6	1150.6	1148.6
55°	1084.4	1088.4	1084.4	1080.4	1074.4
57.5°	1004.2	1012.3	1006.2	1004.2	1002.2
60°	930.1	934.1	930.1	924.1	920.1
62.5°	853.9	853.9	847.9	843.9	831.9
65°	763.7	769.7	765.7	755.7	741.7
67.5°	683.5	679.5	675.5	663.5	647.4
70°	591.3	593.3	587.3	569.3	553.2
72.5°	503.1	507.1	495.1	471.1	467.0
75°	414.9	414.9	396.9	386.9	378.8
77.5°	324.7	326.7	302.7	300.7	298.7
80°	238.5	242.5	218.5	224.5	222.5
82.5°	162.4	158.4	148.3	148.3	146.3
85°	88.2	88.2	86.2	86.2	84.2
87.5°	34.1	36.1	40.1	44.1	42.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)