

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: P218578

Luminaire Tested: **4SNLED-LD5-43SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-43SL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4708.0 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

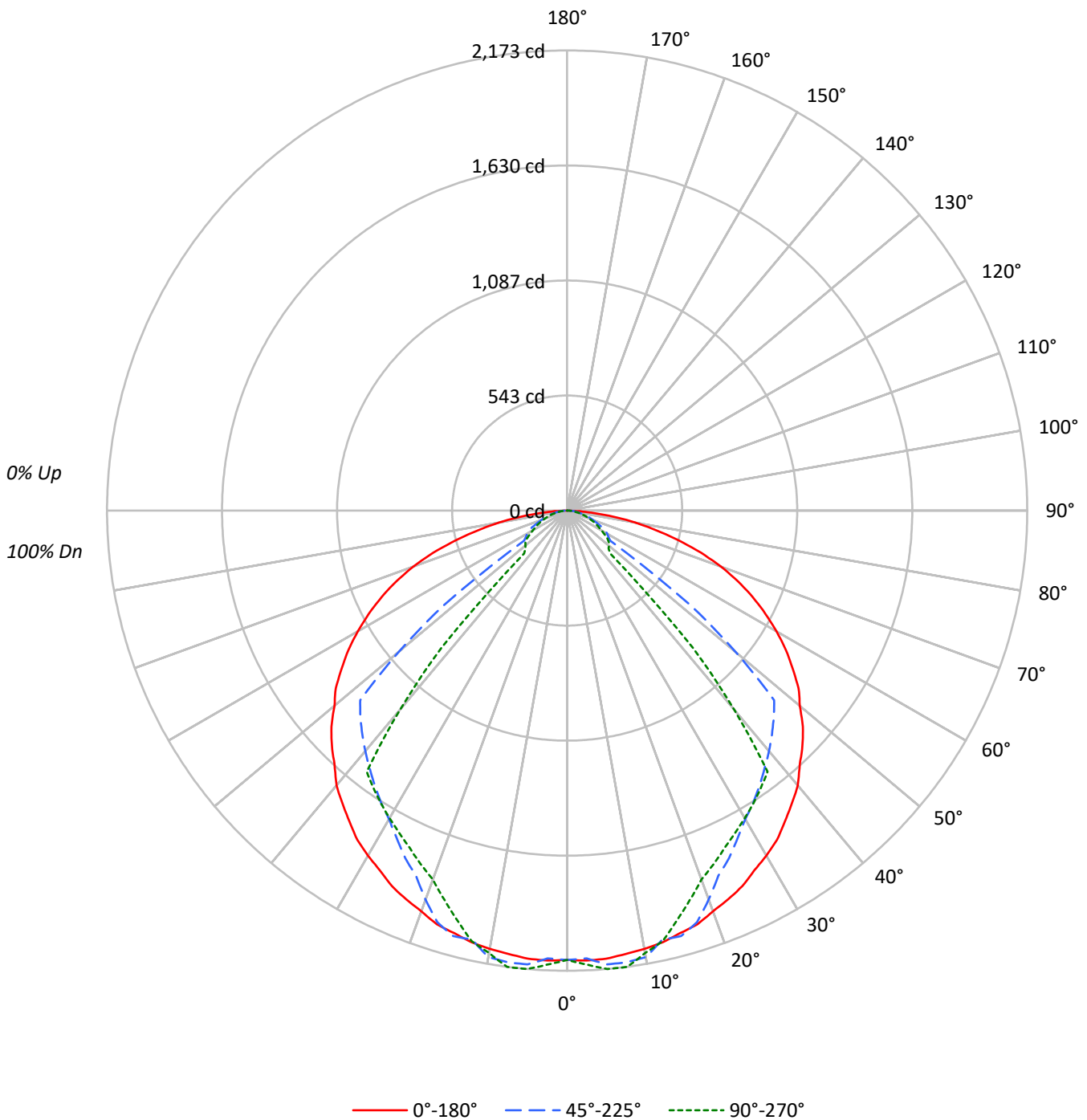
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87					87			
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65					65			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33					33			
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34188	34188	34188
5°	34234	32689	32325
10°	34144	31009	29512
15°	34071	28979	26363
20°	34014	26432	23308
25°	34133	23950	21320
30°	34175	21959	19784
35°	34261	20555	18468
40°	34435	19281	14072
45°	34379	18110	3274
50°	34247	13867	2949
55°	34442	3395	2699
60°	34319	3095	2201
65°	33858	2613	1816
70°	32591	2029	1421
75°	29367	1509	1034
80°	24317	1013	650
85°	14443	579	292



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.8	4.4
10°-20°	580.6	12.3
20°-30°	855.1	18.2
30°-40°	1029.3	21.9
40°-50°	881.6	18.7
50°-60°	570.4	12.1
60°-70°	379.2	8.1
70°-80°	161.8	3.4
80°-90°	45.2	1.0
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°	1640.6	34.8
0°-40°	2669.9	56.7
0°-60°	4121.8	87.5
0°-90°	4708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2122	2122	2122	2122	2122	
5°	2124	2132	2151	2176	2173	202
15°	2065	2122	2080	2036	2004	584
25°	1957	1970	1810	1770	1758	901
35°	1793	1724	1584	1596	1596	1123
45°	1572	1397	1380	842	287	1212
55°	1299	1103	248	236	233	1162
65°	968	695	177	152	150	954
75°	545	128	91	81	79	578
85°	115	34	30	22	20	148
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2121.7	2121.7	2121.7	2121.7	2121.7
2.5°	2126.6	2119.2	2116.8	2143.8	2146.3
5°	2124.2	2131.5	2151.2	2175.7	2173.3
7.5°	2111.9	2136.4	2151.2	2188.0	2173.3
10°	2102.1	2146.3	2141.3	2143.8	2121.7
12.5°	2087.3	2129.1	2075.0	2111.9	2082.4
15°	2065.2	2121.7	2080.0	2035.8	2003.8
17.5°	2048.0	2107.0	2038.2	1932.6	1927.7
20°	2013.7	2045.6	1954.7	1878.6	1854.0
22.5°	1986.6	2023.5	1866.3	1814.7	1807.4
25°	1957.2	1969.5	1809.8	1770.5	1758.3
27.5°	1915.4	1940.0	1743.5	1723.9	1716.5
30°	1881.0	1881.0	1682.1	1682.1	1677.2
32.5°	1844.2	1802.5	1635.5	1637.9	1637.9
35°	1792.6	1723.9	1583.9	1596.2	1596.2
37.5°	1743.5	1628.1	1532.3	1552.0	1554.4
40°	1694.4	1554.4	1483.2	1505.3	1230.3
42.5°	1625.7	1473.4	1431.7	1159.1	876.7
45°	1571.6	1397.3	1380.1	842.3	287.3
47.5°	1510.2	1323.6	1326.1	267.7	265.2
50°	1434.1	1247.5	1038.8	252.9	257.8
52.5°	1377.6	1178.7	731.8	245.6	248.0
55°	1299.1	1102.6	248.0	235.7	233.3
57.5°	1225.4	1031.4	230.8	218.6	208.7
60°	1141.9	955.3	218.6	194.0	186.6
62.5°	1055.9	879.1	201.4	171.9	167.0
65°	967.5	695.0	176.8	152.3	149.8
67.5°	874.2	456.8	149.8	135.1	132.6
70°	771.1	179.3	130.2	117.9	113.0
72.5°	663.0	154.7	110.5	100.7	95.8
75°	545.2	127.7	90.9	81.0	78.6
77.5°	434.7	95.8	73.7	63.8	61.4
80°	324.1	71.2	56.5	49.1	46.7
82.5°	221.0	51.6	41.7	34.4	31.9
85°	115.4	34.4	29.5	22.1	19.6
87.5°	44.2	22.1	17.2	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)