

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: P218577

Luminaire Tested: **4SNLED-LD5-43SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218577
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4616.0 lumens
Efficiency: N/A
Efficacy: 133.4 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

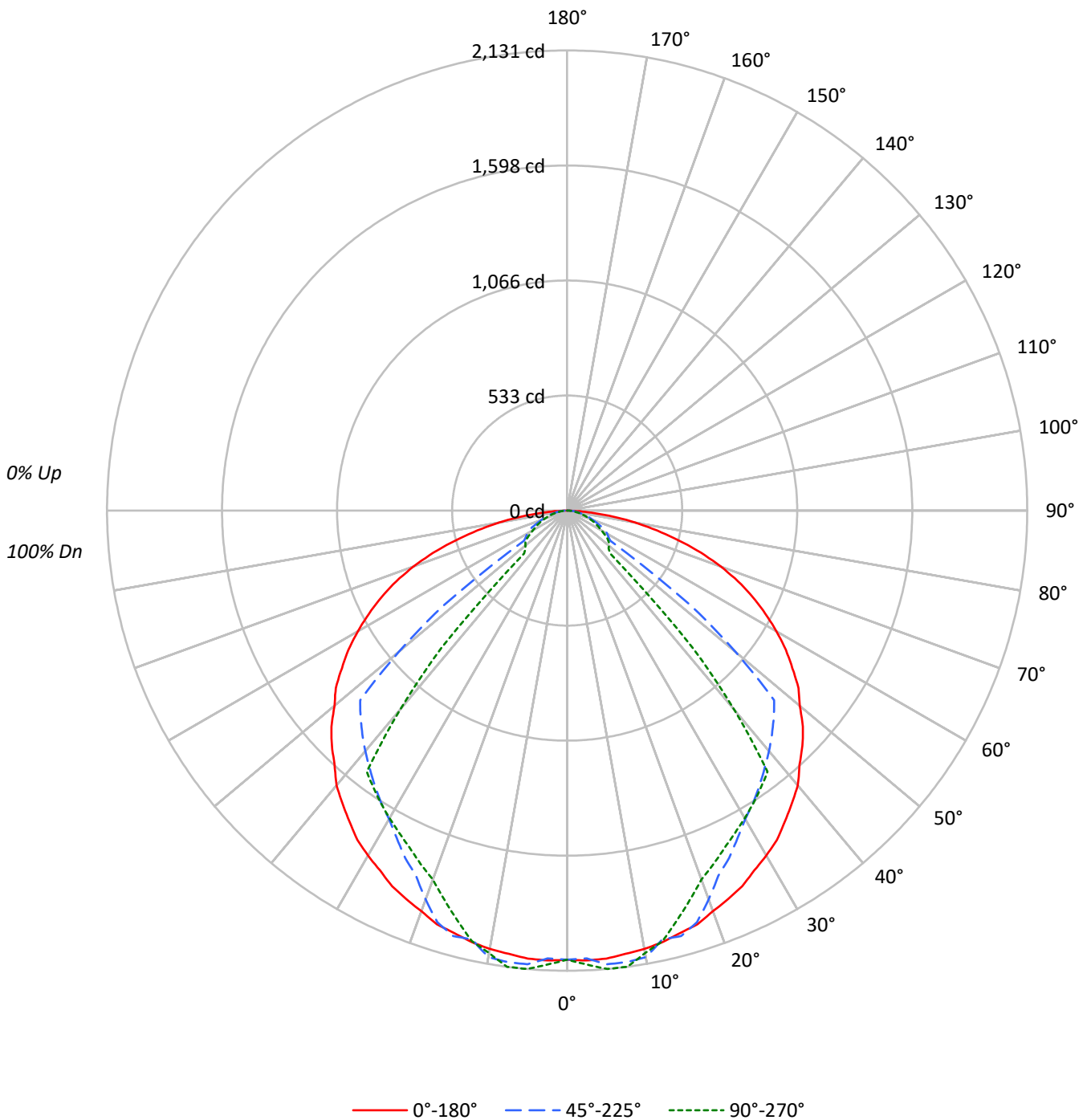
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33520	33520	33520
5°	33565	32050	31693
10°	33476	30403	28935
15°	33406	28412	25849
20°	33348	25915	22853
25°	33465	23483	20903
30°	33508	21531	19399
35°	33592	20154	18107
40°	33762	18904	13797
45°	33707	17755	3210
50°	33578	13596	2891
55°	33769	3330	2646
60°	33648	3035	2159
65°	33196	2563	1781
70°	31952	1988	1393
75°	28791	1480	1013
80°	23844	993	636
85°	14168	567	287



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.8	4.4
10°-20°	569.3	12.3
20°-30°	838.4	18.2
30°-40°	1009.2	21.9
40°-50°	864.3	18.7
50°-60°	559.3	12.1
60°-70°	371.8	8.1
70°-80°	158.6	3.4
80°-90°	44.3	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°	1608.5	34.8
0°-40°	2617.7	56.7
0°-60°	4041.3	87.5
0°-90°	4616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2080	2080	2080	2080	2080	
5°	2083	2090	2109	2133	2131	198
15°	2025	2080	2039	1996	1965	573
25°	1919	1931	1774	1736	1724	884
35°	1758	1690	1553	1565	1565	1101
45°	1541	1370	1353	826	282	1188
55°	1274	1081	243	231	229	1139
65°	949	681	173	149	147	935
75°	534	125	89	80	77	566
85°	113	34	29	22	19	145
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2080.2	2080.2	2080.2	2080.2	2080.2
2.5°	2085.1	2077.8	2075.4	2101.9	2104.3
5°	2082.7	2089.9	2109.1	2133.2	2130.8
7.5°	2070.6	2094.7	2109.1	2145.3	2130.8
10°	2061.0	2104.3	2099.5	2101.9	2080.2
12.5°	2046.5	2087.5	2034.5	2070.6	2041.7
15°	2024.9	2080.2	2039.3	1996.0	1964.7
17.5°	2008.0	2065.8	1998.4	1894.9	1890.0
20°	1974.3	2005.6	1916.5	1841.9	1817.8
22.5°	1947.8	1983.9	1829.8	1779.3	1772.1
25°	1918.9	1931.0	1774.5	1735.9	1723.9
27.5°	1878.0	1902.1	1709.5	1690.2	1683.0
30°	1844.3	1844.3	1649.3	1649.3	1644.5
32.5°	1808.2	1767.2	1603.5	1605.9	1605.9
35°	1757.6	1690.2	1553.0	1565.0	1565.0
37.5°	1709.5	1596.3	1502.4	1521.7	1524.1
40°	1661.3	1524.1	1454.2	1475.9	1206.3
42.5°	1593.9	1444.6	1403.7	1136.4	859.5
45°	1540.9	1370.0	1353.1	825.8	281.7
47.5°	1480.7	1297.7	1300.2	262.4	260.0
50°	1406.1	1223.1	1018.5	248.0	252.8
52.5°	1350.7	1155.7	717.5	240.8	243.2
55°	1273.7	1081.1	243.2	231.1	228.7
57.5°	1201.4	1011.2	226.3	214.3	204.7
60°	1119.6	936.6	214.3	190.2	183.0
62.5°	1035.3	862.0	197.4	168.5	163.7
65°	948.6	681.4	173.4	149.3	146.9
67.5°	857.1	447.8	146.9	132.4	130.0
70°	756.0	175.8	127.6	115.6	110.8
72.5°	650.1	151.7	108.3	98.7	93.9
75°	534.5	125.2	89.1	79.5	77.0
77.5°	426.2	93.9	72.2	62.6	60.2
80°	317.8	69.8	55.4	48.2	45.7
82.5°	216.7	50.6	40.9	33.7	31.3
85°	113.2	33.7	28.9	21.7	19.3
87.5°	43.3	21.7	16.9	9.6	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)