

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: P218614

Luminaire Tested: **4SNLED-LD5-57HL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35747)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-57HL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5682.0 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 0.85 / 0.95
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

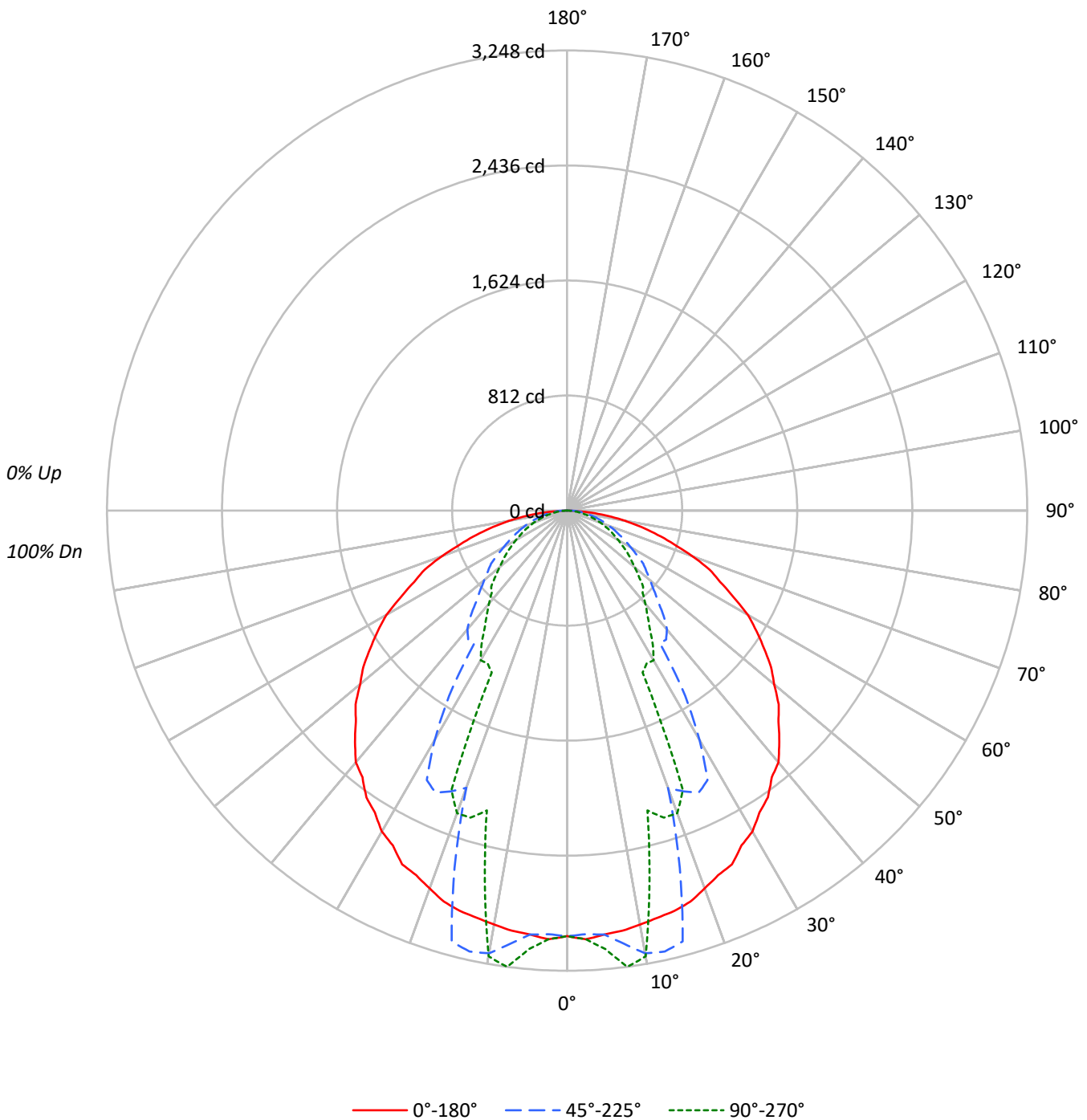
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	48402	48402	48402
5°	48410	45633	46210
10°	48200	45955	44443
15°	48272	43875	28821
20°	47932	28171	28574
25°	48042	29071	15284
30°	47518	24429	14399
35°	47208	14842	11751
40°	47139	14239	9836
45°	46141	11898	8645
50°	45535	10175	7135
55°	44981	8978	6016
60°	44255	7338	4930
65°	41721	6061	4039
70°	39674	4906	3166
75°	35697	3808	2254
80°	30897	2730	1456
85°	21552	1731	631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.2	5.2
10°-20°	785.3	13.8
20°-30°	1015.9	17.9
30°-40°	964.7	17.0
40°-50°	928.7	16.3
50°-60°	737.8	13.0
60°-70°	536.9	9.4
70°-80°	312.4	5.5
80°-90°	107.1	1.9
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°	2094.4	36.9
0°-40°	3059.2	53.8
0°-60°	4725.6	83.2
0°-90°	5682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3004	3004	3004	3004	3004	
5°	3004	2997	3003	3074	3107	286
15°	2926	3064	3149	2459	2191	825
25°	2755	2922	2197	1774	1260	1262
35°	2470	1902	1144	1062	1016	1541
45°	2109	1794	907	768	759	1634
55°	1697	1021	656	534	520	1518
65°	1192	632	410	345	333	1191
75°	663	333	229	188	171	703
85°	172	139	88	58	42	201
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3003.8	3003.8	3003.8	3003.8	3003.8
2.5°	3028.9	3005.6	2992.6	2994.3	3028.1
5°	3003.8	2996.9	3003.0	3073.9	3106.8
7.5°	2990.9	2976.2	3083.4	3205.4	3247.8
10°	2967.5	3008.2	3173.4	3223.6	3195.1
12.5°	2943.3	3032.4	3187.3	2861.1	2682.0
15°	2926.0	3063.5	3149.2	2458.8	2190.6
17.5°	2894.0	3083.4	2645.7	2183.7	2272.8
20°	2837.7	3073.9	2083.3	2277.1	2272.8
22.5°	2785.8	3020.3	2144.7	2233.0	2133.5
25°	2754.7	2921.7	2196.7	1773.6	1260.5
27.5°	2664.7	2680.3	2145.6	1231.1	1216.4
30°	2615.4	2445.0	1871.3	1208.6	1220.7
32.5°	2527.1	2174.2	1550.4	1164.5	1125.6
35°	2470.0	1901.6	1143.7	1062.4	1015.7
37.5°	2373.1	1915.5	1147.2	974.2	930.1
40°	2319.5	1927.6	1095.3	889.4	860.0
42.5°	2216.6	1881.7	1008.8	820.2	788.2
45°	2109.3	1793.5	906.7	768.3	758.7
47.5°	2024.5	1545.2	831.4	719.0	684.3
50°	1906.8	1228.5	762.2	653.2	623.8
52.5°	1814.2	1046.0	706.0	596.1	568.4
55°	1696.6	1020.9	655.8	533.8	520.0
57.5°	1585.8	934.4	581.4	484.5	462.9
60°	1472.5	827.1	518.2	436.9	417.9
62.5°	1324.6	715.5	462.9	388.5	370.3
65°	1192.2	631.6	410.1	345.2	333.1
67.5°	1089.2	566.7	362.5	302.8	286.4
70°	938.7	494.0	314.9	262.1	251.8
72.5°	789.9	403.2	270.8	225.8	206.8
75°	662.7	333.1	229.3	187.7	171.3
77.5°	538.1	278.6	190.3	154.0	136.7
80°	411.8	226.7	152.3	120.3	104.7
82.5°	291.6	180.8	119.4	87.4	73.5
85°	172.2	139.3	88.2	58.0	42.4
87.5°	68.3	104.7	58.0	28.6	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)