

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: P218606

Luminaire Tested: **4SNLED-LD5-45HL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218606
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-LD5-45HL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5005.0 lumens
Efficiency: N/A
Efficacy: 135.3 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

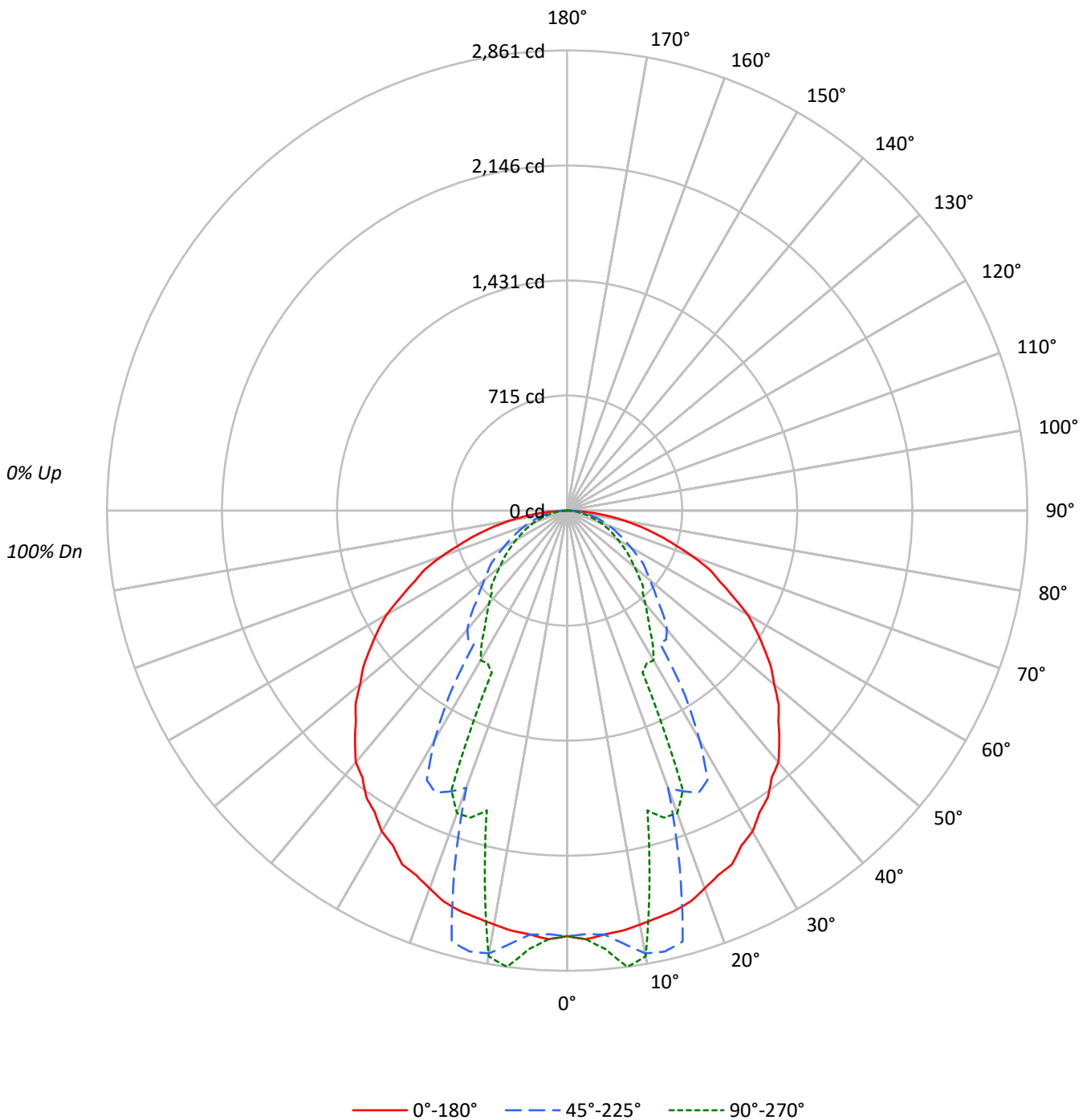
Input Watts (W): 37
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85					85			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73					73			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63					63			
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55					55			
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49					49			
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39					39			
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37	36					36			
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33					33			
10	57	45	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°	42635	42635	42635
5°	42642	40196	40704
10°	42457	40480	39147
15°	42521	38648	25387
20°	42221	24815	25169
25°	42318	25606	13464
30°	41857	21519	12684
35°	41583	13075	10352
40°	41522	12542	8664
45°	40643	10481	7615
50°	40109	8963	6285
55°	39620	7909	5299
60°	38983	6464	4342
65°	36748	5339	3558
70°	34949	4322	2788
75°	31447	3354	1985
80°	27221	2403	1282
85°	18986	1525	555



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.3	5.2
10°-20°	691.7	13.8
20°-30°	894.9	17.9
30°-40°	849.8	17.0
40°-50°	818.0	16.3
50°-60°	649.9	13.0
60°-70°	472.9	9.4
70°-80°	275.2	5.5
80°-90°	94.4	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°	1844.9	36.9
0°-40°	2694.7	53.8
0°-60°	4162.6	83.2
0°-90°	5005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2646	2646	2646	2646	2646	
5°	2646	2640	2645	2708	2737	252
15°	2577	2698	2774	2166	1930	727
25°	2426	2574	1935	1562	1110	1112
35°	2176	1675	1008	936	895	1358
45°	1858	1580	799	677	668	1440
55°	1494	899	578	470	458	1337
65°	1050	556	361	304	293	1049
75°	584	293	202	165	151	619
85°	152	123	78	51	37	177
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2645.9	2645.9	2645.9	2645.9	2645.9
2.5°	2668.0	2647.5	2636.0	2637.6	2667.3
5°	2645.9	2639.8	2645.2	2707.7	2736.6
7.5°	2634.5	2621.6	2716.1	2823.5	2860.9
10°	2613.9	2649.8	2795.3	2839.5	2814.4
12.5°	2592.6	2671.1	2807.5	2520.2	2362.5
15°	2577.4	2698.5	2774.0	2165.8	1929.6
17.5°	2549.2	2716.1	2330.4	1923.5	2002.0
20°	2499.6	2707.7	1835.1	2005.8	2002.0
22.5°	2453.9	2660.4	1889.2	1966.9	1879.3
25°	2426.5	2573.5	1934.9	1562.3	1110.4
27.5°	2347.2	2360.9	1890.0	1084.4	1071.5
30°	2303.8	2153.6	1648.4	1064.6	1075.3
32.5°	2226.0	1915.1	1365.6	1025.8	991.5
35°	2175.7	1675.1	1007.5	935.8	894.7
37.5°	2090.4	1687.2	1010.5	858.1	819.2
40°	2043.1	1697.9	964.8	783.4	757.5
42.5°	1952.5	1657.5	888.6	722.5	694.3
45°	1858.0	1579.8	798.7	676.7	668.3
47.5°	1783.3	1361.1	732.4	633.3	602.8
50°	1679.6	1082.2	671.4	575.4	549.5
52.5°	1598.1	921.4	621.9	525.1	500.7
55°	1494.4	899.3	577.7	470.2	458.0
57.5°	1396.9	823.0	512.1	426.8	407.7
60°	1297.1	728.5	456.5	384.9	368.1
62.5°	1166.7	630.2	407.7	342.2	326.2
65°	1050.1	556.3	361.2	304.1	293.4
67.5°	959.5	499.2	319.3	266.7	252.2
70°	826.9	435.1	277.4	230.9	221.8
72.5°	695.8	355.1	238.5	198.9	182.1
75°	583.8	293.4	202.0	165.4	150.9
77.5°	474.0	245.4	167.7	135.7	120.4
80°	362.8	199.7	134.1	105.9	92.2
82.5°	256.8	159.3	105.2	77.0	64.8
85°	151.7	122.7	77.7	51.1	37.3
87.5°	60.2	92.2	51.1	25.1	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)