

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: P218604

Luminaire Tested: **4SNLED-LD5-45HL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218604
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4537.0 lumens
Efficiency: N/A
Efficacy: 122.6 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

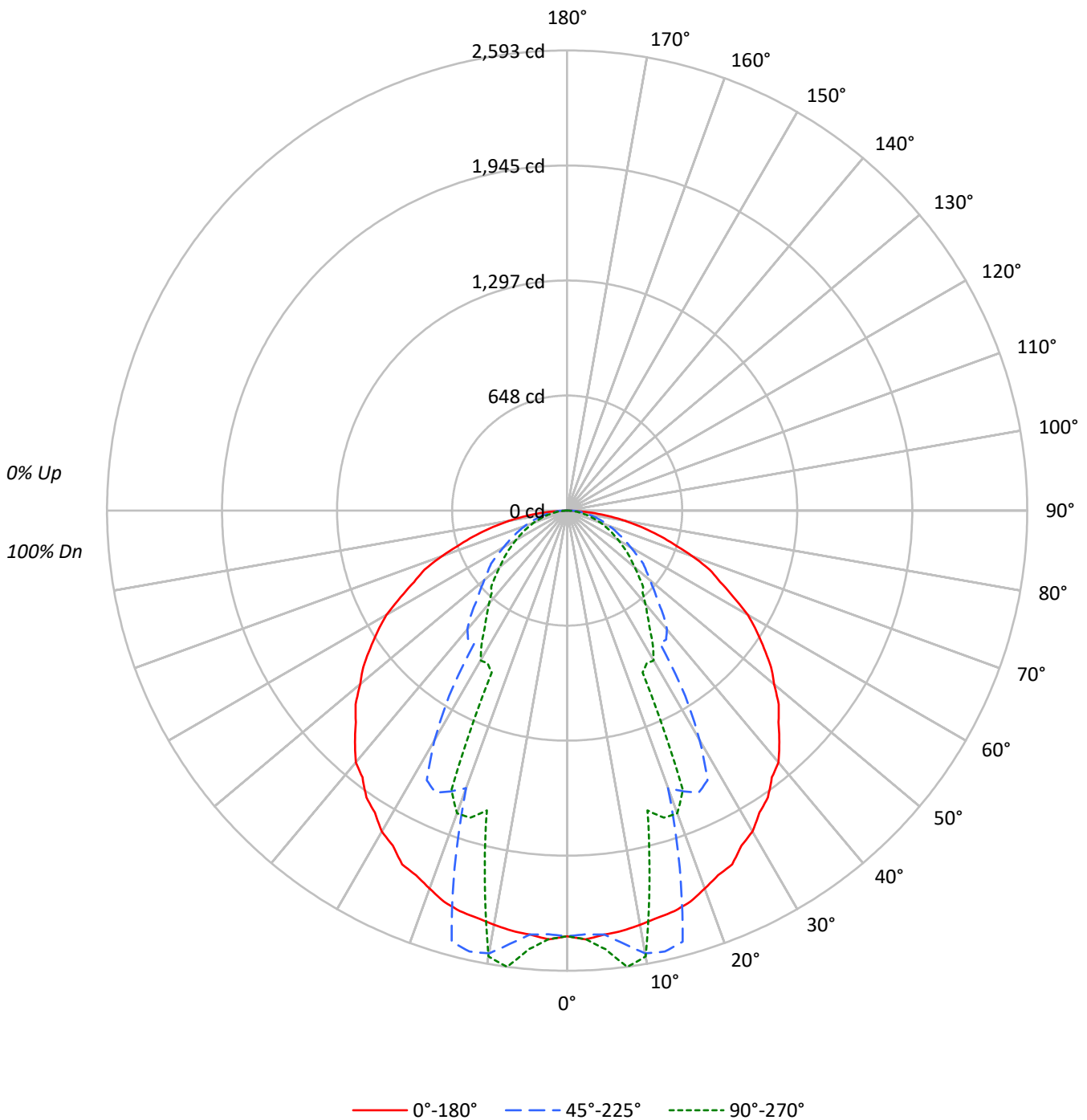
Input Watts (W): 37
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37	36
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	38649	38649	38649
5°	38655	36437	36898
10°	38487	36694	35486
15°	38545	35034	23014
20°	38274	22494	22816
25°	38361	23212	12204
30°	37943	19506	11498
35°	37695	11852	9383
40°	37640	11370	7854
45°	36842	9500	6904
50°	36360	8124	5697
55°	35916	7168	4804
60°	35337	5860	3936
65°	33315	4839	3225
70°	31678	3918	2527
75°	28506	3041	1800
80°	24670	2179	1163
85°	17209	1384	504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.1	5.2
10°-20°	627.0	13.8
20°-30°	811.2	17.9
30°-40°	770.3	17.0
40°-50°	741.5	16.3
50°-60°	589.1	13.0
60°-70°	428.7	9.4
70°-80°	249.4	5.5
80°-90°	85.5	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°	1672.4	36.9
0°-40°	2442.7	53.8
0°-60°	3773.3	83.2
0°-90°	4537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4537.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2398	2398	2398	2398	2398	
5°	2398	2393	2398	2454	2481	228
15°	2336	2446	2515	1963	1749	659
25°	2200	2333	1754	1416	1006	1008
35°	1972	1518	913	848	811	1231
45°	1684	1432	724	613	606	1305
55°	1355	815	524	426	415	1212
65°	952	504	327	276	266	951
75°	529	266	183	150	137	561
85°	138	111	70	46	34	160
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2398.5	2398.5	2398.5	2398.5	2398.5
2.5°	2418.6	2399.9	2389.6	2390.9	2417.9
5°	2398.5	2393.0	2397.8	2454.5	2480.7
7.5°	2388.2	2376.4	2462.1	2559.5	2593.3
10°	2369.5	2402.0	2533.9	2574.0	2551.2
12.5°	2350.2	2421.3	2545.0	2284.5	2141.5
15°	2336.4	2446.2	2514.6	1963.3	1749.2
17.5°	2310.8	2462.1	2112.5	1743.6	1814.8
20°	2265.9	2454.5	1663.5	1818.2	1814.8
22.5°	2224.4	2411.7	1712.5	1783.0	1703.6
25°	2199.6	2332.9	1754.0	1416.2	1006.5
27.5°	2127.7	2140.2	1713.2	983.0	971.3
30°	2088.4	1952.3	1494.2	965.1	974.7
32.5°	2017.9	1736.0	1238.0	929.8	898.8
35°	1972.3	1518.4	913.3	848.3	811.0
37.5°	1894.9	1529.5	916.0	777.9	742.6
40°	1852.1	1539.2	874.6	710.2	686.7
42.5°	1769.9	1502.5	805.5	654.9	629.3
45°	1684.2	1432.1	724.0	613.4	605.9
47.5°	1616.5	1233.8	663.9	574.1	546.4
50°	1522.6	981.0	608.6	521.6	498.1
52.5°	1448.7	835.2	563.7	476.0	453.9
55°	1354.7	815.2	523.6	426.2	415.2
57.5°	1266.3	746.1	464.2	386.9	369.6
60°	1175.8	660.4	413.8	348.9	333.7
62.5°	1057.6	571.3	369.6	310.2	295.7
65°	952.0	504.3	327.4	275.6	266.0
67.5°	869.7	452.5	289.5	241.8	228.7
70°	749.5	394.5	251.5	209.3	201.0
72.5°	630.7	321.9	216.2	180.3	165.1
75°	529.2	266.0	183.1	149.9	136.8
77.5°	429.7	222.4	152.0	123.0	109.1
80°	328.8	181.0	121.6	96.0	83.6
82.5°	232.8	144.4	95.3	69.8	58.7
85°	137.5	111.2	70.5	46.3	33.9
87.5°	54.6	83.6	46.3	22.8	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)