

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: P218591

Luminaire Tested: **4SNLED-LD5-54SL-RW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218591
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-LD5-54SL-RW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6437.0 lumens
Efficiency: N/A
Efficacy: 136.7 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

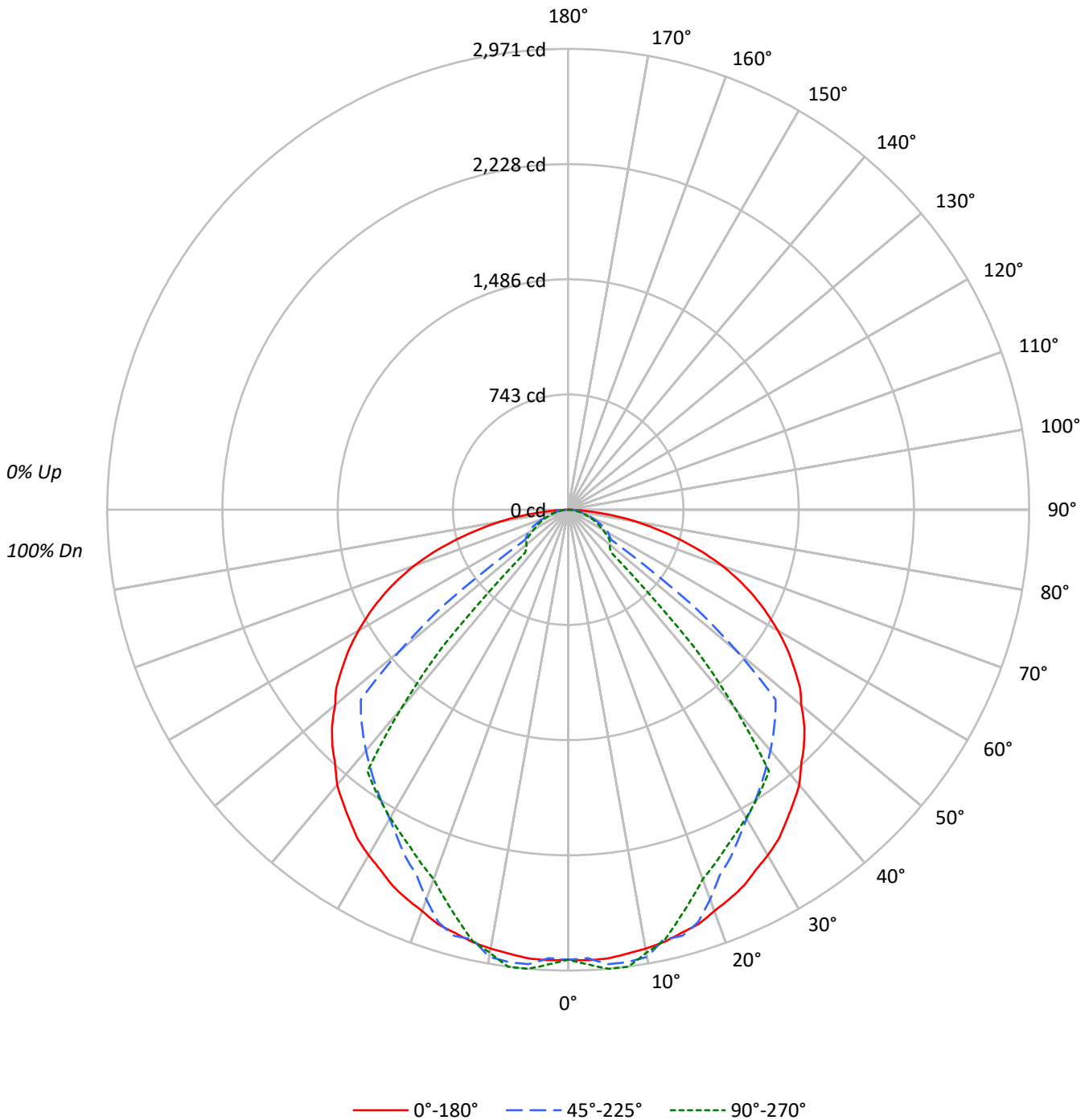
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	46744	46744	46744
5°	46807	44694	44196
10°	46681	42398	40350
15°	46584	39620	36046
20°	46505	36140	31869
25°	46667	32747	29149
30°	46728	30024	27051
35°	46845	28104	25250
40°	47082	26362	19239
45°	47005	24760	4476
50°	46824	18959	4032
55°	47089	4642	3691
60°	46920	4231	3010
65°	46295	3572	2483
70°	44560	2772	1941
75°	40151	2062	1413
80°	33253	1384	887
85°	19750	791	400



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.0	4.4
10°-20°	793.9	12.3
20°-30°	1169.2	18.2
30°-40°	1407.3	21.9
40°-50°	1205.3	18.7
50°-60°	779.9	12.1
60°-70°	518.4	8.1
70°-80°	221.1	3.4
80°-90°	61.8	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°	2243.1	34.8
0°-40°	3650.4	56.7
0°-60°	5635.6	87.6
0°-90°	6437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6437.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2901	2901	2901	2901	2901	
5°	2904	2914	2941	2975	2971	276
15°	2824	2901	2844	2783	2740	799
25°	2676	2693	2474	2421	2404	1233
35°	2451	2357	2166	2182	2182	1536
45°	2149	1910	1887	1152	393	1657
55°	1776	1508	339	322	319	1588
65°	1323	950	242	208	205	1305
75°	745	175	124	111	107	790
85°	158	47	40	30	27	202
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2900.9	2900.9	2900.9	2900.9	2900.9
2.5°	2907.6	2897.5	2894.2	2931.1	2934.5
5°	2904.3	2914.3	2941.2	2974.8	2971.4
7.5°	2887.5	2921.0	2941.2	2991.5	2971.4
10°	2874.0	2934.5	2927.8	2931.1	2900.9
12.5°	2853.9	2911.0	2837.1	2887.5	2847.2
15°	2823.7	2900.9	2843.8	2783.4	2739.7
17.5°	2800.2	2880.7	2786.7	2642.4	2635.6
20°	2753.2	2796.8	2672.6	2568.5	2534.9
22.5°	2716.2	2766.6	2551.7	2481.2	2471.1
25°	2675.9	2692.7	2474.5	2420.8	2404.0
27.5°	2618.9	2652.4	2383.8	2357.0	2346.9
30°	2571.9	2571.9	2299.9	2299.9	2293.2
32.5°	2521.5	2464.4	2236.1	2239.5	2239.5
35°	2451.0	2357.0	2165.6	2182.4	2182.4
37.5°	2383.8	2226.0	2095.1	2121.9	2125.3
40°	2316.7	2125.3	2027.9	2058.2	1682.1
42.5°	2222.7	2014.5	1957.4	1584.7	1198.6
45°	2148.8	1910.4	1886.9	1151.6	392.8
47.5°	2064.9	1809.7	1813.1	366.0	362.6
50°	1960.8	1705.6	1420.2	345.8	352.5
52.5°	1883.6	1611.6	1000.5	335.8	339.1
55°	1776.1	1507.5	339.1	322.3	319.0
57.5°	1675.4	1410.2	315.6	298.8	285.4
60°	1561.2	1306.1	298.8	265.2	255.2
62.5°	1443.7	1202.0	275.3	235.0	228.3
65°	1322.9	950.2	241.7	208.2	204.8
67.5°	1195.3	624.5	204.8	184.7	181.3
70°	1054.3	245.1	177.9	161.2	154.4
72.5°	906.5	211.5	151.1	137.7	130.9
75°	745.4	174.6	124.2	110.8	107.4
77.5°	594.3	130.9	100.7	87.3	83.9
80°	443.2	97.4	77.2	67.2	63.8
82.5°	302.2	70.5	57.1	47.0	43.6
85°	157.8	47.0	40.3	30.2	26.9
87.5°	60.4	30.2	23.5	13.4	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)