

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: P218589

Luminaire Tested: **4SNLED-LD5-54SL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218589
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5834.0 lumens
Efficiency: N/A
Efficacy: 123.9 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

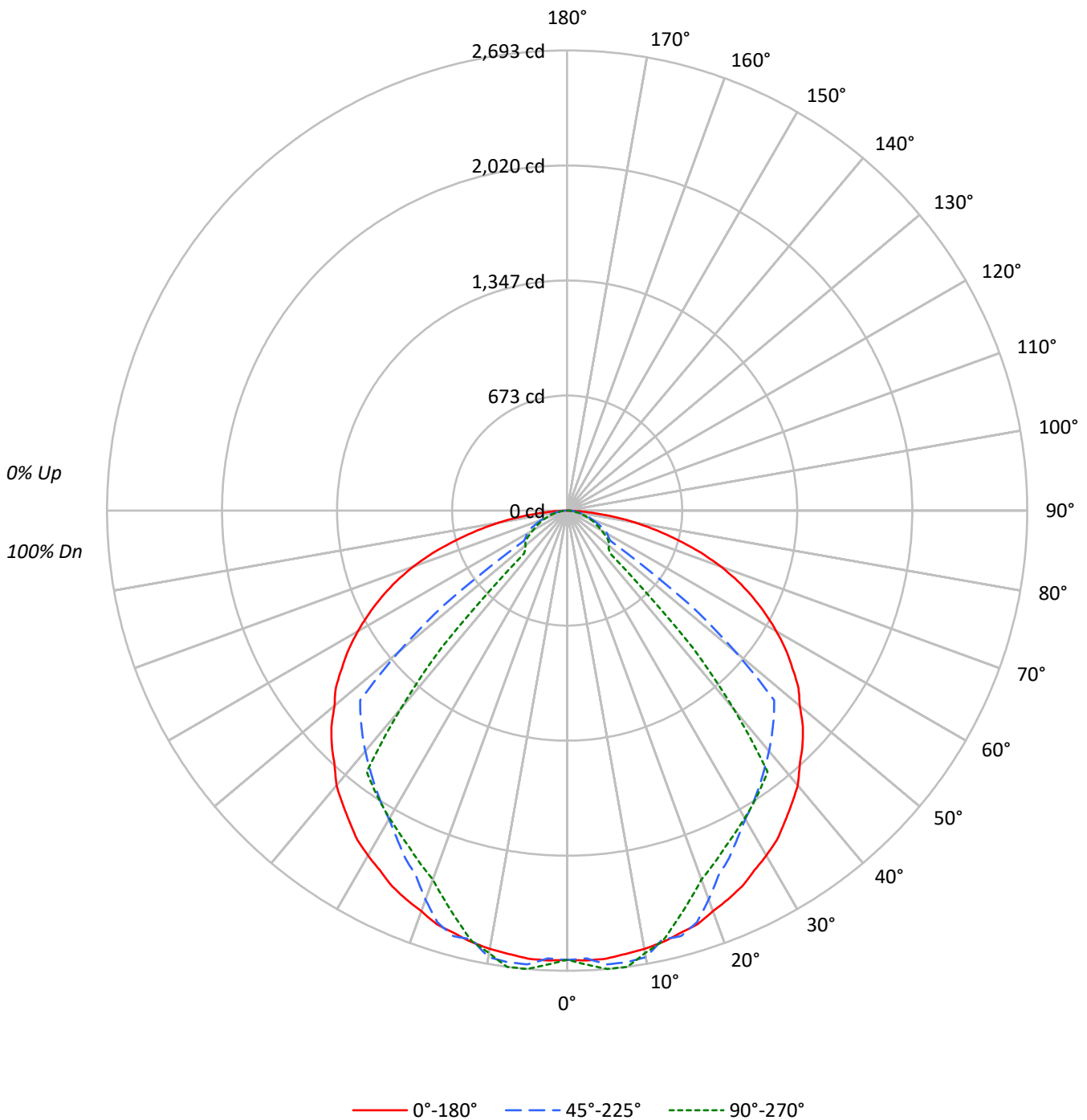
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	42364	42364	42364
5°	42421	40508	40055
10°	42309	38426	36570
15°	42220	35909	32669
20°	42148	32754	28884
25°	42297	29679	26419
30°	42349	27211	24517
35°	42456	25471	22884
40°	42672	23893	17437
45°	42601	22441	4056
50°	42438	17183	3654
55°	42677	4207	3345
60°	42526	3835	2728
65°	41955	3238	2250
70°	40384	2513	1760
75°	36386	1870	1281
80°	30139	1255	804
85°	17898	716	361



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.8	4.4
10°-20°	719.5	12.3
20°-30°	1059.7	18.2
30°-40°	1275.5	21.9
40°-50°	1092.4	18.7
50°-60°	706.8	12.1
60°-70°	469.9	8.1
70°-80°	200.4	3.4
80°-90°	56.0	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°	2033.0	34.8
0°-40°	3308.4	56.7
0°-60°	5107.7	87.5
0°-90°	5834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2629	2629	2629	2629	2629	
5°	2632	2641	2666	2696	2693	250
15°	2559	2629	2577	2523	2483	724
25°	2425	2440	2243	2194	2179	1117
35°	2221	2136	1963	1978	1978	1392
45°	1948	1732	1710	1044	356	1501
55°	1610	1366	307	292	289	1439
65°	1199	861	219	189	186	1182
75°	676	158	113	100	97	716
85°	143	43	36	27	24	183
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2629.1	2629.1	2629.1	2629.1	2629.1
2.5°	2635.2	2626.1	2623.1	2656.5	2659.6
5°	2632.2	2641.3	2665.7	2696.1	2693.0
7.5°	2617.0	2647.4	2665.7	2711.3	2693.0
10°	2604.8	2659.6	2653.5	2656.5	2629.1
12.5°	2586.5	2638.3	2571.3	2617.0	2580.5
15°	2559.2	2629.1	2577.4	2522.6	2483.1
17.5°	2537.9	2610.9	2525.7	2394.8	2388.7
20°	2495.3	2534.8	2422.2	2327.9	2297.5
22.5°	2461.8	2507.4	2312.7	2248.8	2239.6
25°	2425.3	2440.5	2242.7	2194.0	2178.8
27.5°	2373.5	2404.0	2160.5	2136.2	2127.1
30°	2330.9	2330.9	2084.4	2084.4	2078.4
32.5°	2285.3	2233.6	2026.6	2029.7	2029.7
35°	2221.4	2136.2	1962.7	1977.9	1977.9
37.5°	2160.5	2017.5	1898.8	1923.2	1926.2
40°	2099.7	1926.2	1838.0	1865.4	1524.5
42.5°	2014.5	1825.8	1774.1	1436.3	1086.3
45°	1947.5	1731.5	1710.2	1043.7	356.0
47.5°	1871.4	1640.2	1643.2	331.7	328.6
50°	1777.1	1545.8	1287.2	313.4	319.5
52.5°	1707.1	1460.6	906.8	304.3	307.3
55°	1609.7	1366.3	307.3	292.1	289.1
57.5°	1518.5	1278.1	286.0	270.8	258.7
60°	1415.0	1183.7	270.8	240.4	231.3
62.5°	1308.5	1089.4	249.5	213.0	206.9
65°	1198.9	861.2	219.1	188.7	185.6
67.5°	1083.3	566.0	185.6	167.4	164.3
70°	955.5	222.1	161.3	146.1	140.0
72.5°	821.6	191.7	136.9	124.8	118.7
75°	675.5	158.2	112.6	100.4	97.4
77.5°	538.6	118.7	91.3	79.1	76.1
80°	401.7	88.2	70.0	60.9	57.8
82.5°	273.9	63.9	51.7	42.6	39.6
85°	143.0	42.6	36.5	27.4	24.3
87.5°	54.8	27.4	21.3	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)