

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: P218455

Luminaire Tested: **4SNLED-LD5-52HL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-52HL-RM-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4922.1 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

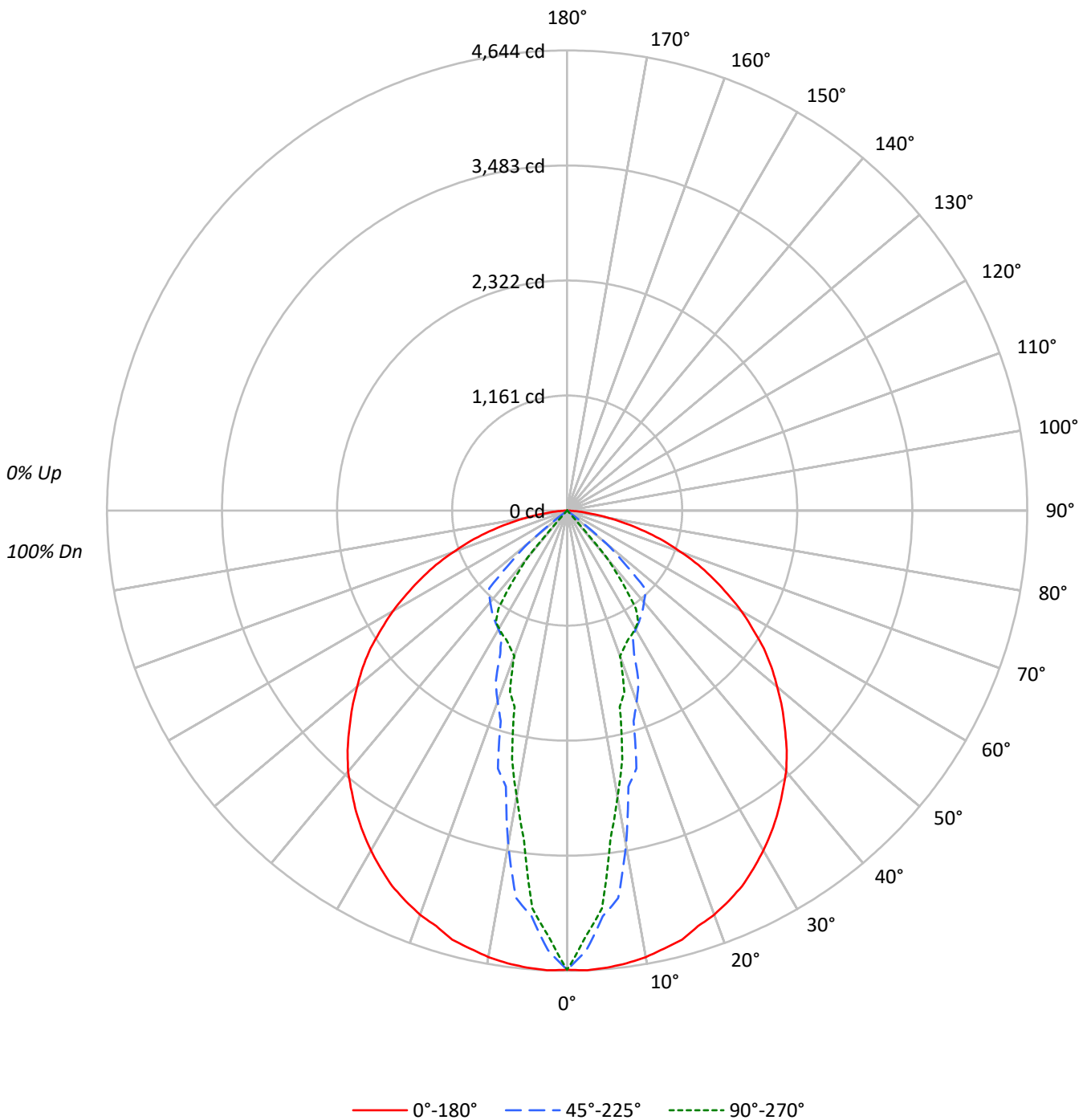
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74675	74675	74675
5°	74612	62469	59942
10°	74307	49540	40768
15°	73944	37553	26981
20°	73296	27698	19620
25°	72897	21157	17510
30°	71965	18075	16192
35°	70932	16856	13982
40°	69864	15680	7020
45°	67965	14579	27
50°	66072	6923	0
55°	64208	229	0
60°	61061	169	0
65°	56944	71	0
70°	51483	37	0
75°	43825	40	32
80°	31415	43	33
85°	15182	47	36



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.5	7.8
10°-20°	824.5	16.8
20°-30°	983.6	20.0
30°-40°	1046.6	21.3
40°-50°	764.6	15.5
50°-60°	488.4	9.9
60°-70°	294.1	6.0
70°-80°	114.6	2.3
80°-90°	23.3	0.5
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°	2190.5	44.5
0°-40°	3237.1	65.8
0°-60°	4490.1	91.2
0°-90°	4922.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4922.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4634	4634	4634	4634	4634	
5°	4630	4404	4111	4037	4030	440
15°	4482	3823	2695	2101	2051	1262
25°	4180	2664	1599	1456	1444	1923
35°	3711	1760	1299	1299	1208	2322
45°	3107	1140	1111	5	2	2400
55°	2422	899	17	2	0	2156
65°	1627	366	5	2	0	1610
75°	814	19	2	2	2	859
85°	121	2	2	2	2	169
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4634.3	4634.3	4634.3	4634.3	4634.3
2.5°	4643.8	4612.9	4441.6	4370.2	4301.2
5°	4629.6	4403.5	4110.9	4037.2	4030.0
7.5°	4608.1	4191.8	3944.4	3520.9	3342.5
10°	4574.8	4053.8	3421.0	3064.2	2930.9
12.5°	4527.3	3849.2	2852.4	2647.8	2569.3
15°	4482.1	3823.1	2695.4	2100.7	2050.7
17.5°	4396.4	3290.2	2226.8	1974.6	1917.5
20°	4339.3	3047.5	2048.3	1712.9	1560.6
22.5°	4263.2	2904.8	1884.2	1558.3	1498.8
25°	4179.9	2664.5	1598.7	1456.0	1444.1
27.5°	4072.9	2343.3	1432.2	1417.9	1413.1
30°	3961.0	1988.9	1384.6	1379.8	1372.7
32.5°	3839.7	1848.5	1341.8	1341.8	1334.6
35°	3711.3	1760.5	1298.9	1298.9	1208.5
37.5°	3573.3	1648.7	1256.1	1256.1	908.8
40°	3437.7	1413.1	1206.2	837.4	613.8
42.5°	3280.7	1220.4	1163.3	585.2	4.8
45°	3107.0	1139.5	1111.0	4.8	2.4
47.5°	2942.8	1082.4	756.5	2.4	0.0
50°	2766.8	1020.6	518.6	2.4	0.0
52.5°	2600.3	963.5	23.8	2.4	0.0
55°	2421.8	899.3	16.7	2.4	0.0
57.5°	2219.6	837.4	14.3	2.4	0.0
60°	2031.7	770.8	11.9	2.4	0.0
62.5°	1824.7	654.2	7.1	2.4	0.0
65°	1627.2	366.4	4.8	2.4	0.0
67.5°	1432.2	59.5	4.8	2.4	0.0
70°	1218.1	40.4	2.4	2.4	0.0
72.5°	1020.6	30.9	2.4	2.4	2.4
75°	813.6	19.0	2.4	2.4	2.4
77.5°	609.0	11.9	2.4	2.4	2.4
80°	418.7	7.1	2.4	2.4	2.4
82.5°	252.2	2.4	2.4	2.4	2.4
85°	121.3	2.4	2.4	2.4	2.4
87.5°	38.1	2.4	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)