

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: P218315

Luminaire Tested: **4SNLED-LD5-33SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35687)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-33SL-LW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3290.0 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.3 / 1.42
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

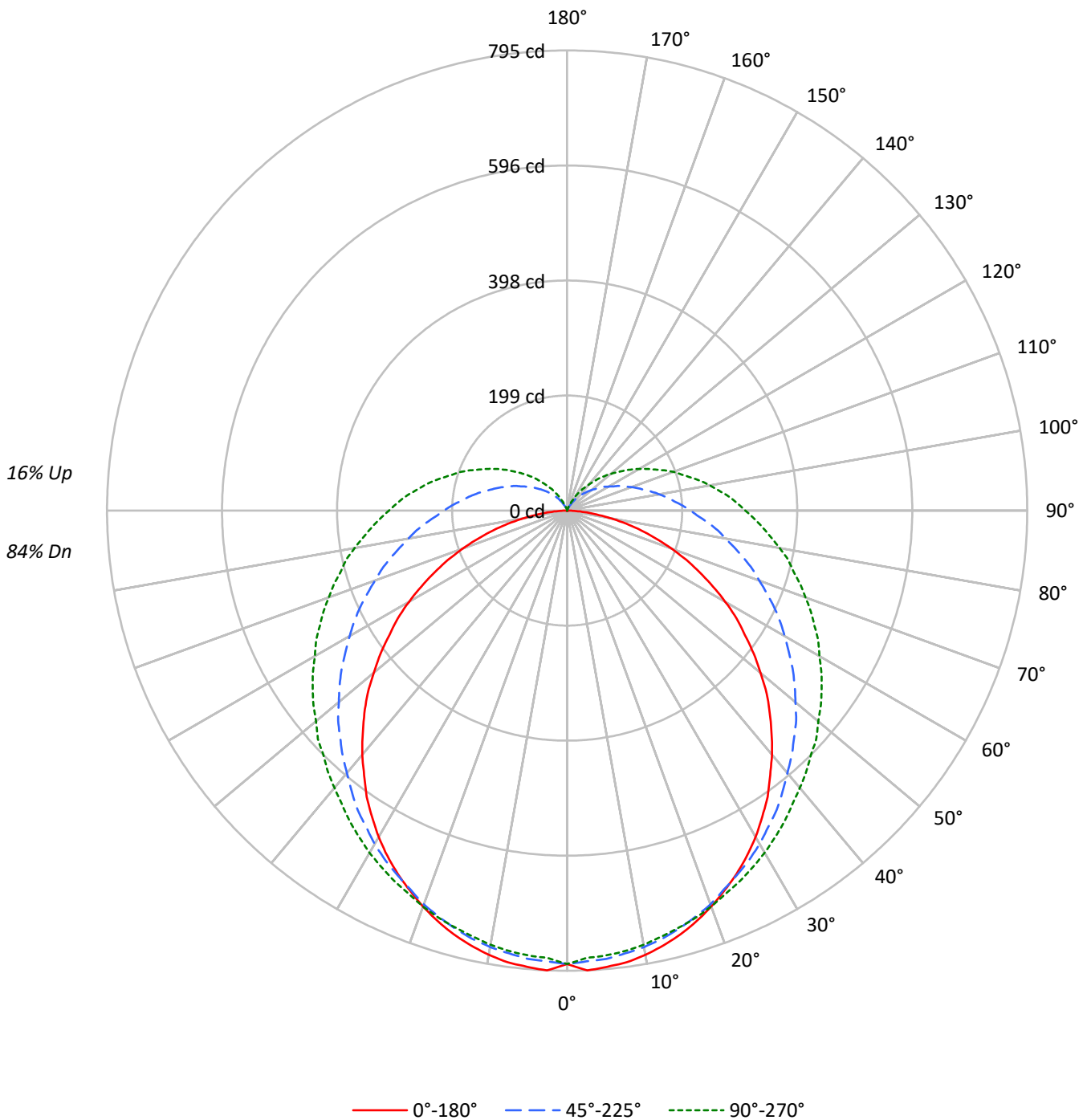
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	115	115	115	115	111	111	111	111	102	102	102	95	95	95	88	88	88	84
1	102	96	91	86	98	93	88	83	85	81	78	79	76	73	73	70	68	64
2	92	83	75	68	88	79	72	66	73	67	62	67	63	58	62	58	55	52
3	83	72	63	56	79	69	61	54	64	57	51	59	53	48	54	49	45	42
4	76	63	54	46	72	61	52	45	56	49	43	52	46	41	48	43	38	36
5	70	56	46	39	66	54	45	39	50	42	37	46	40	35	43	37	33	30
6	64	50	41	34	61	48	40	33	45	37	32	42	35	30	39	33	29	26
7	59	45	36	30	57	44	35	29	41	33	28	38	31	27	35	30	25	23
8	55	41	32	26	53	40	32	26	37	30	25	35	28	24	32	27	23	21
9	51	38	29	24	49	36	29	23	34	27	22	32	26	21	30	24	20	18
10	48	35	27	21	46	34	26	21	32	25	20	30	24	19	28	22	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	12622	12622	12622
5°	12751	11813	11475
10°	12660	11087	10594
15°	12500	10418	9812
20°	12298	9792	9154
25°	12079	9191	8565
30°	11830	8680	8053
35°	11540	8194	7579
40°	11188	7695	7154
45°	10835	7275	6790
50°	10414	6875	6477
55°	9940	6510	6210
60°	9488	6147	5935
65°	8840	5832	5718
70°	8090	5503	5507
75°	7121	5243	5322
80°	5627	4986	5187
85°	3705	4803	5048



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	2.3
10°-20°	212.1	6.4
20°-30°	322.4	9.8
30°-40°	394.6	12.0
40°-50°	426.0	12.9
50°-60°	418.3	12.7
60°-70°	376.7	11.5
70°-80°	311.9	9.5
80°-90°	239.9	7.3
90°-100°	180.9	5.5
100°-110°	133.1	4.0
110°-120°	91.8	2.8
120°-130°	58.2	1.8
130°-140°	32.2	1.0
140°-150°	14.0	0.4
150°-160°	3.5	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	608.8	18.5
0°-40°	1003.4	30.5
0°-60°	1847.7	56.2
0°-90°	2776.3	84.4
90°-120°	405.8	12.3
90°-150°	510.2	15.5
90°-180°	514.0	15.6
0°-180°	3290.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	783	783	783	783	783	
5°	791	787	777	777	772	75
15°	758	756	748	752	746	214
25°	693	693	694	708	706	319
35°	604	610	631	651	655	377
45°	495	517	554	588	596	382
55°	375	416	476	523	537	336
65°	253	310	395	454	472	251
75°	132	211	316	383	404	140
85°	30	130	245	318	339	34
90°	0	101	213	286	308	2
95°	2	79	186	256	280	1
105°	0	49	138	201	221	0
115°	0	32	101	152	168	0
125°	0	20	69	108	120	0
135°	0	12	43	71	79	0
145°	0	4	22	40	43	0
155°	0	2	6	12	14	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	783.3	783.3	783.3	783.3	783.3
2.5°	795.2	789.2	779.4	779.4	773.5
5°	791.2	787.3	777.4	777.4	771.5
7.5°	787.3	783.3	771.5	773.5	767.5
10°	779.4	775.4	765.6	767.5	761.6
12.5°	769.5	765.6	757.7	759.6	753.7
15°	757.7	755.7	747.8	751.8	745.8
17.5°	743.9	741.9	736.0	741.9	737.9
20°	728.1	728.1	724.1	732.0	728.1
22.5°	710.3	710.3	708.3	720.2	716.2
25°	692.6	692.6	694.5	708.3	706.4
27.5°	672.8	674.8	680.7	696.5	694.5
30°	651.1	655.1	664.9	682.7	682.7
32.5°	627.4	631.4	647.2	668.9	668.9
35°	603.8	609.7	631.4	651.1	655.1
37.5°	576.1	586.0	611.7	635.3	639.3
40°	550.5	564.3	591.9	619.6	625.5
42.5°	522.9	540.6	574.2	605.7	611.7
45°	495.3	517.0	554.4	588.0	595.9
47.5°	467.6	491.3	536.7	572.2	584.0
50°	436.1	465.7	515.0	556.4	566.3
52.5°	406.5	440.0	495.3	538.7	552.5
55°	374.9	416.3	475.5	522.9	536.7
57.5°	347.3	388.7	453.8	507.1	520.9
60°	315.7	361.1	434.1	487.4	503.1
62.5°	284.1	337.4	414.4	471.6	489.3
65°	252.6	309.8	394.6	453.8	471.6
67.5°	223.0	284.1	372.9	436.1	455.8
70°	191.4	258.5	353.2	418.3	438.0
72.5°	161.8	234.8	335.4	400.5	422.2
75°	132.2	211.1	315.7	382.8	404.5
77.5°	104.6	189.4	296.0	367.0	390.7
80°	75.0	167.7	278.2	349.2	372.9
82.5°	51.3	148.0	262.4	333.5	355.2
85°	29.6	130.2	244.7	317.7	339.4
87.5°	11.8	114.4	226.9	299.9	323.6
90°	0.0	100.6	213.1	286.1	307.8
92.5°	0.0	88.8	199.3	270.3	294.0
95°	2.0	78.9	185.5	256.5	280.2
97.5°	0.0	69.1	173.6	242.7	264.4
100°	0.0	63.1	161.8	228.9	250.6
102.5°	0.0	55.2	150.0	215.1	236.8
105°	0.0	49.3	138.1	201.3	221.0
107.5°	0.0	45.4	128.3	189.4	207.2
110°	0.0	39.5	118.4	177.6	195.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	35.5	108.5	163.8	181.5
115°	0.0	31.6	100.6	151.9	167.7
117.5°	0.0	29.6	90.8	140.1	155.9
120°	0.0	25.7	82.9	130.2	144.0
122.5°	0.0	23.7	77.0	118.4	132.2
125°	0.0	19.7	69.1	108.5	120.4
127.5°	0.0	17.8	61.2	98.7	108.5
130°	0.0	15.8	55.2	88.8	98.7
132.5°	0.0	13.8	49.3	78.9	88.8
135°	0.0	11.8	43.4	71.0	78.9
137.5°	0.0	9.9	37.5	61.2	69.1
140°	0.0	7.9	31.6	53.3	59.2
142.5°	0.0	5.9	27.6	45.4	51.3
145°	0.0	3.9	21.7	39.5	43.4
147.5°	0.0	3.9	17.8	31.6	35.5
150°	0.0	2.0	11.8	25.7	27.6
152.5°	0.0	2.0	9.9	19.7	19.7
155°	0.0	2.0	5.9	11.8	13.8
157.5°	0.0	0.0	3.9	7.9	7.9
160°	0.0	0.0	2.0	3.9	5.9
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)