

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: P218317

Luminaire Tested: **4SNLED-LD5-33SL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218317
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3565.0 lumens
Efficiency: N/A
Efficacy: 128.7 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

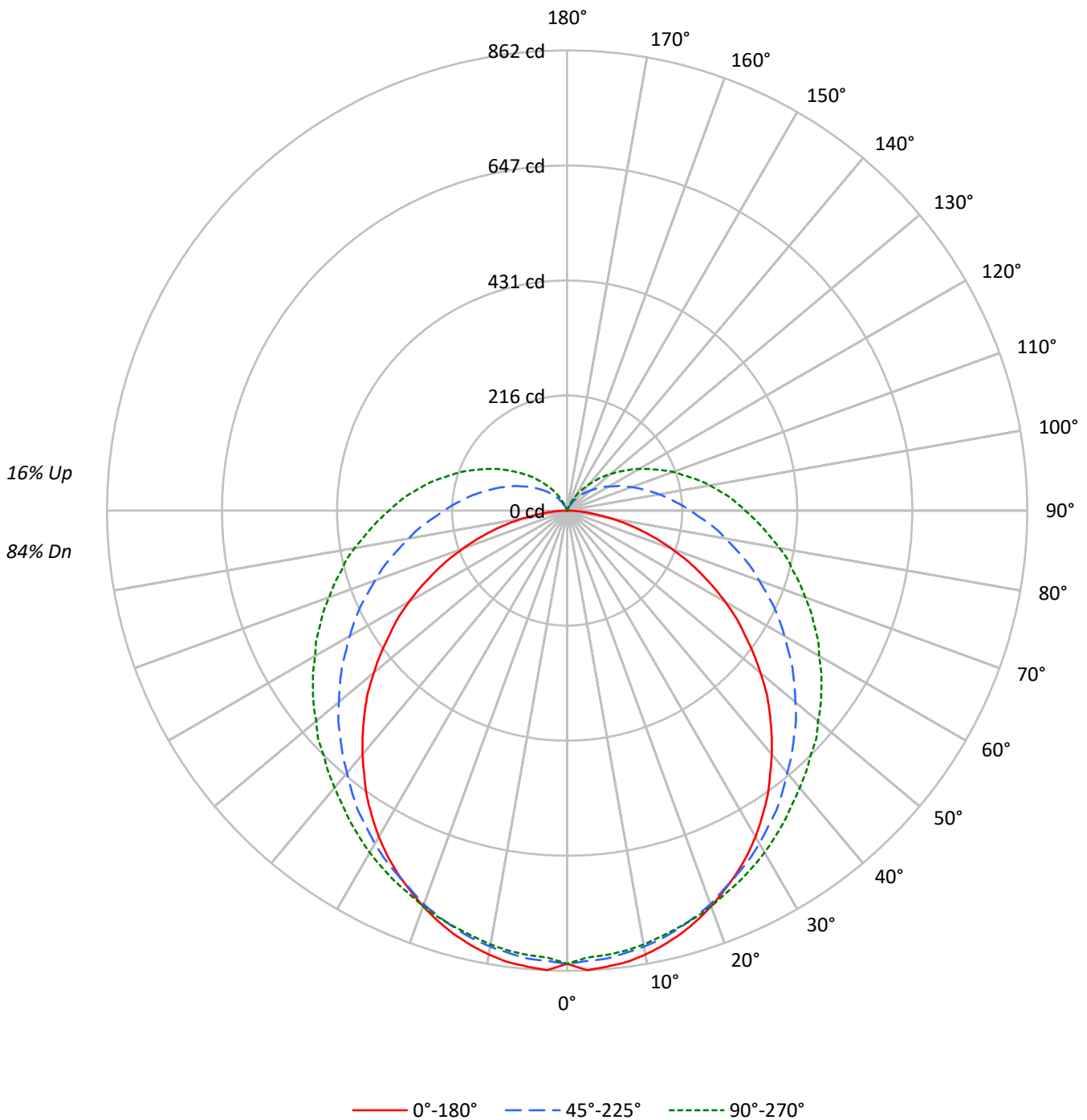
Input Watts (W): 27.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	65
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°	13677	13677	13677
5°	13818	12801	12435
10°	13717	12014	11480
15°	13544	11289	10633
20°	13325	10611	9918
25°	13089	9960	9281
30°	12820	9406	8727
35°	12503	8879	8212
40°	12123	8338	7752
45°	11738	7884	7357
50°	11283	7449	7018
55°	10769	7055	6728
60°	10281	6661	6431
65°	9578	6320	6196
70°	8766	5963	5967
75°	7714	5681	5767
80°	6092	5404	5621
85°	4018	5203	5469



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	2.3
10°-20°	229.9	6.4
20°-30°	349.4	9.8
30°-40°	427.6	12.0
40°-50°	461.7	12.9
50°-60°	453.2	12.7
60°-70°	408.2	11.5
70°-80°	338.0	9.5
80°-90°	260.0	7.3
90°-100°	196.0	5.5
100°-110°	144.2	4.0
110°-120°	99.5	2.8
120°-130°	63.1	1.8
130°-140°	34.9	1.0
140°-150°	15.1	0.4
150°-160°	3.8	0.1
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-30°	659.6	18.5
0°-40°	1087.2	30.5
0°-60°	2002.1	56.2
0°-90°	3008.3	84.4
90°-120°	439.7	12.3
90°-150°	552.8	15.5
90°-180°	557.0	15.6
0°-180°	3565.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	849	849	849	849	849	
5°	857	853	842	842	836	81
15°	821	819	810	815	808	231
25°	750	750	753	768	765	346
35°	654	661	684	706	710	408
45°	537	560	601	637	646	414
55°	406	451	515	567	582	365
65°	274	336	428	492	511	272
75°	143	229	342	415	438	152
85°	32	141	265	344	368	37
90°	0	109	231	310	334	2
95°	2	86	201	278	304	1
105°	0	54	150	218	240	0
115°	0	34	109	165	182	0
125°	0	21	75	118	130	0
135°	0	13	47	77	86	0
145°	0	4	24	43	47	0
155°	0	2	6	13	15	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°	848.8	848.8	848.8	848.8	848.8
2.5°	861.6	855.2	844.5	844.5	838.1
5°	857.4	853.1	842.4	842.4	836.0
7.5°	853.1	848.8	836.0	838.1	831.7
10°	844.5	840.2	829.6	831.7	825.3
12.5°	833.8	829.6	821.0	823.1	816.7
15°	821.0	818.9	810.3	814.6	808.2
17.5°	806.0	803.9	797.5	803.9	799.6
20°	788.9	788.9	784.7	793.2	788.9
22.5°	769.7	769.7	767.6	780.4	776.1
25°	750.5	750.5	752.6	767.6	765.4
27.5°	729.1	731.2	737.6	754.7	752.6
30°	705.6	709.8	720.5	739.8	739.8
32.5°	679.9	684.2	701.3	724.8	724.8
35°	654.2	660.7	684.2	705.6	709.8
37.5°	624.3	635.0	662.8	688.4	692.7
40°	596.5	611.5	641.4	671.3	677.8
42.5°	566.6	585.8	622.2	656.4	662.8
45°	536.6	560.2	600.8	637.1	645.7
47.5°	506.7	532.4	581.5	620.0	632.9
50°	472.5	504.6	558.0	602.9	613.6
52.5°	440.4	476.8	536.6	583.7	598.6
55°	406.2	451.1	515.3	566.6	581.5
57.5°	376.3	421.2	491.7	549.5	564.4
60°	342.1	391.3	470.4	528.1	545.2
62.5°	307.9	365.6	449.0	511.0	530.2
65°	273.7	335.7	427.6	491.7	511.0
67.5°	241.6	307.9	404.1	472.5	493.9
70°	207.4	280.1	382.7	453.3	474.6
72.5°	175.3	254.4	363.5	434.0	457.5
75°	143.2	228.8	342.1	414.8	438.3
77.5°	113.3	205.3	320.7	397.7	423.3
80°	81.2	181.7	301.5	378.4	404.1
82.5°	55.6	160.4	284.4	361.3	384.8
85°	32.1	141.1	265.1	344.2	367.7
87.5°	12.8	124.0	245.9	325.0	350.6
90°	0.0	109.0	230.9	310.0	333.5
92.5°	0.0	96.2	215.9	292.9	318.6
95°	2.1	85.5	201.0	277.9	303.6
97.5°	0.0	74.8	188.1	263.0	286.5
100°	0.0	68.4	175.3	248.0	271.5
102.5°	0.0	59.9	162.5	233.0	256.6
105°	0.0	53.5	149.7	218.1	239.5
107.5°	0.0	49.2	139.0	205.3	224.5
110°	0.0	42.8	128.3	192.4	211.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	38.5	117.6	177.5	196.7
115°	0.0	34.2	109.0	164.6	181.7
117.5°	0.0	32.1	98.3	151.8	168.9
120°	0.0	27.8	89.8	141.1	156.1
122.5°	0.0	25.7	83.4	128.3	143.2
125°	0.0	21.4	74.8	117.6	130.4
127.5°	0.0	19.2	66.3	106.9	117.6
130°	0.0	17.1	59.9	96.2	106.9
132.5°	0.0	15.0	53.5	85.5	96.2
135°	0.0	12.8	47.0	77.0	85.5
137.5°	0.0	10.7	40.6	66.3	74.8
140°	0.0	8.6	34.2	57.7	64.1
142.5°	0.0	6.4	29.9	49.2	55.6
145°	0.0	4.3	23.5	42.8	47.0
147.5°	0.0	4.3	19.2	34.2	38.5
150°	0.0	2.1	12.8	27.8	29.9
152.5°	0.0	2.1	10.7	21.4	21.4
155°	0.0	2.1	6.4	12.8	15.0
157.5°	0.0	0.0	4.3	8.6	8.6
160°	0.0	0.0	2.1	4.3	6.4
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)