

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: P218351

Luminaire Tested: **4SNLED-LD5-56SL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218351
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-LD5-56SL-LW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5330.0 lumens
Efficiency: N/A
Efficacy: 103.5 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

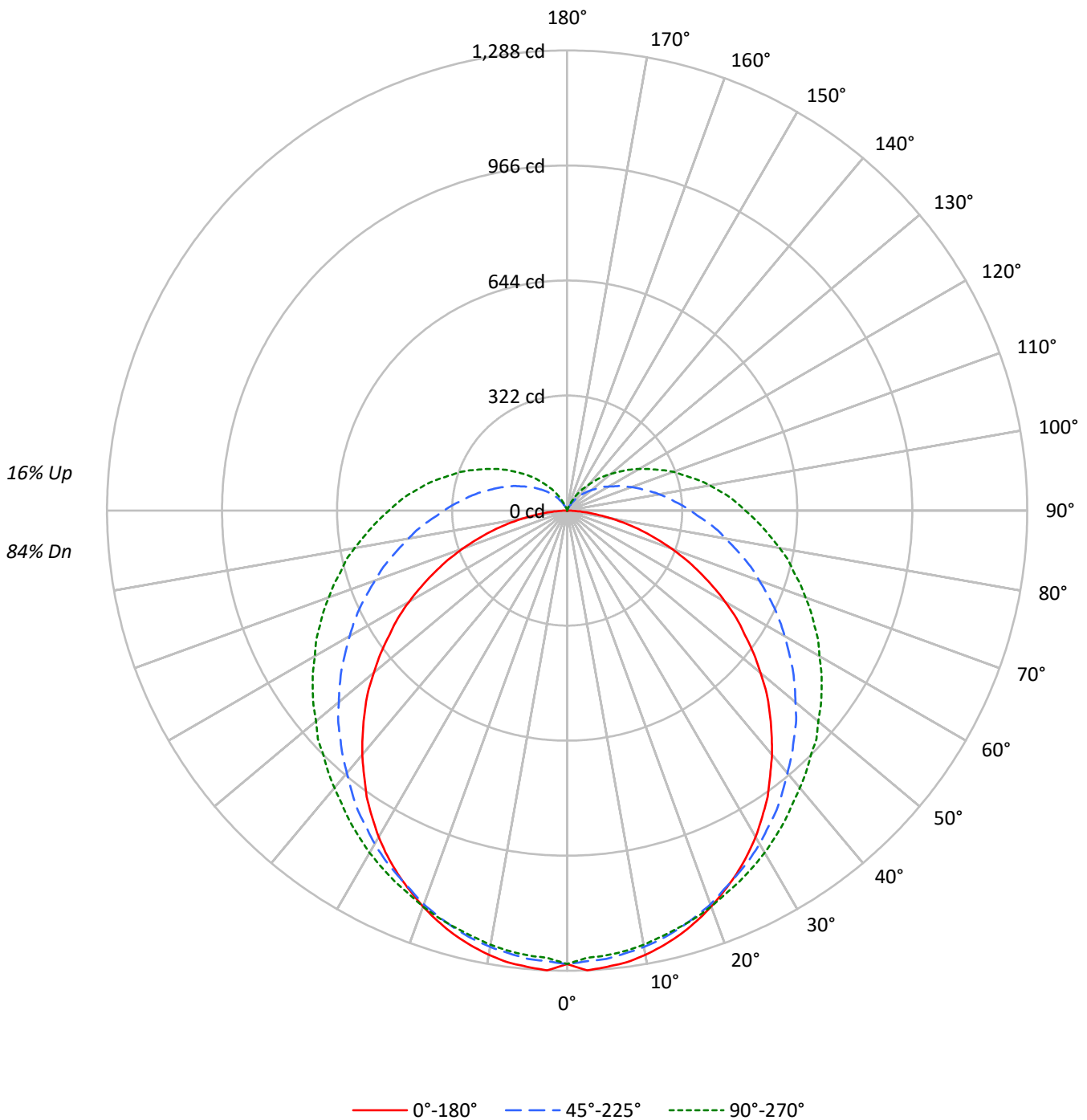
Input Watts (W): 51.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20448	20448	20448
5°	20658	19138	18591
10°	20508	17961	17163
15°	20251	16879	15897
20°	19923	15863	14829
25°	19568	14891	13876
30°	19166	14062	13046
35°	18694	13275	12279
40°	18124	12467	11590
45°	17550	11786	11000
50°	16869	11137	10493
55°	16101	10547	10060
60°	15370	9958	9615
65°	14320	9449	9264
70°	13106	8915	8921
75°	11538	8492	8622
80°	9116	8078	8403
85°	5995	7780	8178



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.2	2.3
10°-20°	343.7	6.4
20°-30°	522.4	9.8
30°-40°	639.3	12.0
40°-50°	690.2	12.9
50°-60°	677.6	12.7
60°-70°	610.3	11.5
70°-80°	505.4	9.5
80°-90°	388.7	7.3
90°-100°	293.0	5.5
100°-110°	215.6	4.0
110°-120°	148.7	2.8
120°-130°	94.3	1.8
130°-140°	52.2	1.0
140°-150°	22.6	0.4
150°-160°	5.7	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	986.2	18.5
0°-40°	1625.5	30.5
0°-60°	2993.4	56.2
0°-90°	4497.7	84.4
90°-120°	657.3	12.3
90°-150°	826.5	15.5
90°-180°	832.0	15.6
0°-180°	5330.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1269	1269	1269	1269	1269	
5°	1282	1275	1259	1259	1250	122
15°	1228	1224	1212	1218	1208	346
25°	1122	1122	1125	1148	1144	517
35°	978	988	1023	1055	1061	611
45°	802	838	898	953	965	619
55°	607	674	770	847	870	545
65°	409	502	639	735	764	406
75°	214	342	511	620	655	227
85°	48	211	396	515	550	55
90°	0	163	345	464	499	3
95°	3	128	300	416	454	1
105°	0	80	224	326	358	0
115°	0	51	163	246	272	0
125°	0	32	112	176	195	0
135°	0	19	70	115	128	0
145°	0	6	35	64	70	0
155°	0	3	10	19	22	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°	1269.0	1269.0	1269.0	1269.0	1269.0
2.5°	1288.2	1278.6	1262.6	1262.6	1253.1
5°	1281.8	1275.4	1259.4	1259.4	1249.9
7.5°	1275.4	1269.0	1249.9	1253.1	1243.5
10°	1262.6	1256.2	1240.3	1243.5	1233.9
12.5°	1246.7	1240.3	1227.5	1230.7	1221.1
15°	1227.5	1224.3	1211.5	1217.9	1208.3
17.5°	1205.1	1201.9	1192.3	1201.9	1195.5
20°	1179.5	1179.5	1173.1	1185.9	1179.5
22.5°	1150.8	1150.8	1147.6	1166.7	1160.4
25°	1122.0	1122.0	1125.2	1147.6	1144.4
27.5°	1090.0	1093.2	1102.8	1128.4	1125.2
30°	1054.9	1061.3	1077.2	1106.0	1106.0
32.5°	1016.5	1022.9	1048.5	1083.6	1083.6
35°	978.1	987.7	1022.9	1054.9	1061.3
37.5°	933.4	949.4	990.9	1029.3	1035.7
40°	891.8	914.2	959.0	1003.7	1013.3
42.5°	847.1	875.9	930.2	981.3	990.9
45°	802.3	837.5	898.2	952.6	965.4
47.5°	757.6	795.9	869.5	927.0	946.2
50°	706.4	754.4	834.3	901.4	917.4
52.5°	658.5	712.8	802.3	872.7	895.0
55°	607.3	674.5	770.4	847.1	869.5
57.5°	562.6	629.7	735.2	821.5	843.9
60°	511.4	585.0	703.2	789.5	815.1
62.5°	460.3	546.6	671.3	764.0	792.7
65°	409.2	501.9	639.3	735.2	764.0
67.5°	361.2	460.3	604.1	706.4	738.4
70°	310.1	418.7	572.2	677.7	709.6
72.5°	262.1	380.4	543.4	648.9	684.1
75°	214.2	342.0	511.4	620.1	655.3
77.5°	169.4	306.9	479.5	594.6	632.9
80°	121.5	271.7	450.7	565.8	604.1
82.5°	83.1	239.7	425.1	540.2	575.4
85°	47.9	211.0	396.4	514.6	549.8
87.5°	19.2	185.4	367.6	485.9	524.2
90°	0.0	163.0	345.2	463.5	498.7
92.5°	0.0	143.8	322.9	437.9	476.3
95°	3.2	127.9	300.5	415.6	453.9
97.5°	0.0	111.9	281.3	393.2	428.3
100°	0.0	102.3	262.1	370.8	406.0
102.5°	0.0	89.5	242.9	348.4	383.6
105°	0.0	79.9	223.8	326.0	358.0
107.5°	0.0	73.5	207.8	306.9	335.6
110°	0.0	63.9	191.8	287.7	316.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	57.5	175.8	265.3	294.1
115°	0.0	51.1	163.0	246.1	271.7
117.5°	0.0	47.9	147.0	227.0	252.5
120°	0.0	41.6	134.3	211.0	233.3
122.5°	0.0	38.4	124.7	191.8	214.2
125°	0.0	32.0	111.9	175.8	195.0
127.5°	0.0	28.8	99.1	159.8	175.8
130°	0.0	25.6	89.5	143.8	159.8
132.5°	0.0	22.4	79.9	127.9	143.8
135°	0.0	19.2	70.3	115.1	127.9
137.5°	0.0	16.0	60.7	99.1	111.9
140°	0.0	12.8	51.1	86.3	95.9
142.5°	0.0	9.6	44.8	73.5	83.1
145°	0.0	6.4	35.2	63.9	70.3
147.5°	0.0	6.4	28.8	51.1	57.5
150°	0.0	3.2	19.2	41.6	44.8
152.5°	0.0	3.2	16.0	32.0	32.0
155°	0.0	3.2	9.6	19.2	22.4
157.5°	0.0	0.0	6.4	12.8	12.8
160°	0.0	0.0	3.2	6.4	9.6
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)