

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: P218354

Luminaire Tested: **4SNLED-LD5-56SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218354
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6247.0 lumens
Efficiency: N/A
Efficacy: 121.3 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

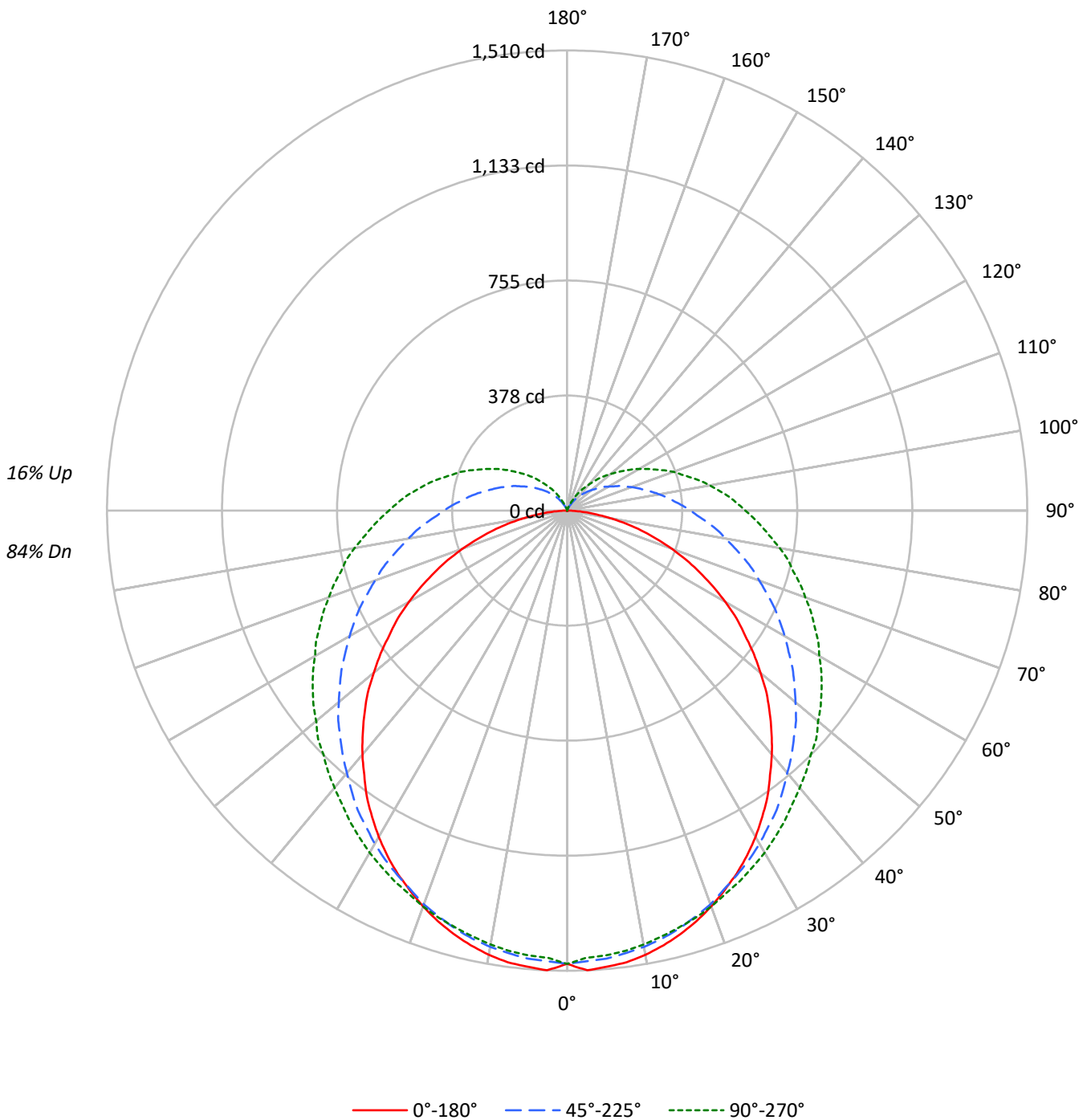
Input Watts (W): 51.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	23967	23967	23967
5°	24212	22431	21789
10°	24037	21050	20116
15°	23735	19782	18633
20°	23352	18593	17381
25°	22933	17453	16264
30°	22462	16483	15291
35°	21910	15559	14391
40°	21244	14612	13583
45°	20571	13815	12891
50°	19773	13053	12298
55°	18872	12361	11791
60°	18014	11671	11270
65°	16784	11075	10857
70°	15359	10448	10456
75°	13520	9954	10104
80°	10684	9468	9849
85°	7034	9119	9585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	2.3
10°-20°	402.8	6.4
20°-30°	612.2	9.8
30°-40°	749.3	12.0
40°-50°	809.0	12.9
50°-60°	794.2	12.7
60°-70°	715.3	11.5
70°-80°	592.3	9.5
80°-90°	455.6	7.3
90°-100°	343.4	5.5
100°-110°	252.7	4.0
110°-120°	174.3	2.8
120°-130°	110.6	1.8
130°-140°	61.2	1.0
140°-150°	26.5	0.4
150°-160°	6.6	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1155.9	18.5
0°-40°	1905.2	30.5
0°-60°	3508.4	56.2
0°-90°	5271.6	84.4
90°-120°	770.4	12.3
90°-150°	968.7	15.5
90°-180°	975.0	15.6
0°-180°	6247.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1487	1487	1487	1487	1487	
5°	1502	1495	1476	1476	1465	143
15°	1439	1435	1420	1427	1416	406
25°	1315	1315	1319	1345	1341	606
35°	1146	1158	1199	1236	1244	716
45°	940	982	1053	1116	1131	725
55°	712	790	903	993	1019	639
65°	480	588	749	862	895	476
75°	251	401	599	727	768	266
85°	56	247	465	603	644	64
90°	0	191	405	543	584	3
95°	4	150	352	487	532	1
105°	0	94	262	382	420	0
115°	0	60	191	288	318	0
125°	0	38	131	206	228	0
135°	0	22	82	135	150	0
145°	0	8	41	75	82	0
155°	0	4	11	22	26	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°	1487.4	1487.4	1487.4	1487.4	1487.4
2.5°	1509.8	1498.6	1479.9	1479.9	1468.6
5°	1502.3	1494.9	1476.1	1476.1	1464.9
7.5°	1494.9	1487.4	1464.9	1468.6	1457.4
10°	1479.9	1472.4	1453.6	1457.4	1446.2
12.5°	1461.1	1453.6	1438.7	1442.4	1431.2
15°	1438.7	1434.9	1419.9	1427.4	1416.2
17.5°	1412.4	1408.7	1397.4	1408.7	1401.2
20°	1382.5	1382.5	1375.0	1390.0	1382.5
22.5°	1348.7	1348.7	1345.0	1367.5	1360.0
25°	1315.0	1315.0	1318.8	1345.0	1341.3
27.5°	1277.6	1281.3	1292.5	1322.5	1318.8
30°	1236.3	1243.8	1262.6	1296.3	1296.3
32.5°	1191.4	1198.9	1228.9	1270.1	1270.1
35°	1146.4	1157.7	1198.9	1236.3	1243.8
37.5°	1094.0	1112.7	1161.4	1206.4	1213.9
40°	1045.3	1071.5	1124.0	1176.4	1187.6
42.5°	992.8	1026.5	1090.2	1150.2	1161.4
45°	940.4	981.6	1052.8	1116.5	1131.4
47.5°	887.9	932.9	1019.1	1086.5	1109.0
50°	828.0	884.2	977.8	1056.5	1075.2
52.5°	771.8	835.5	940.4	1022.8	1049.0
55°	711.8	790.5	902.9	992.8	1019.1
57.5°	659.4	738.1	861.7	962.9	989.1
60°	599.4	685.6	824.2	925.4	955.4
62.5°	539.5	640.7	786.8	895.4	929.1
65°	479.6	588.2	749.3	861.7	895.4
67.5°	423.4	539.5	708.1	828.0	865.4
70°	363.4	490.8	670.6	794.3	831.7
72.5°	307.2	445.8	636.9	760.5	801.8
75°	251.0	400.9	599.4	726.8	768.0
77.5°	198.6	359.7	562.0	696.9	741.8
80°	142.4	318.5	528.3	663.1	708.1
82.5°	97.4	281.0	498.3	633.2	674.4
85°	56.2	247.3	464.6	603.2	644.4
87.5°	22.5	217.3	430.8	569.5	614.4
90°	0.0	191.1	404.6	543.2	584.5
92.5°	0.0	168.6	378.4	513.3	558.2
95°	3.7	149.9	352.2	487.0	532.0
97.5°	0.0	131.1	329.7	460.8	502.0
100°	0.0	119.9	307.2	434.6	475.8
102.5°	0.0	104.9	284.7	408.4	449.6
105°	0.0	93.7	262.3	382.1	419.6
107.5°	0.0	86.2	243.5	359.7	393.4
110°	0.0	74.9	224.8	337.2	370.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	67.4	206.1	311.0	344.7
115°	0.0	59.9	191.1	288.5	318.5
117.5°	0.0	56.2	172.3	266.0	296.0
120°	0.0	48.7	157.4	247.3	273.5
122.5°	0.0	45.0	146.1	224.8	251.0
125°	0.0	37.5	131.1	206.1	228.5
127.5°	0.0	33.7	116.1	187.3	206.1
130°	0.0	30.0	104.9	168.6	187.3
132.5°	0.0	26.2	93.7	149.9	168.6
135°	0.0	22.5	82.4	134.9	149.9
137.5°	0.0	18.7	71.2	116.1	131.1
140°	0.0	15.0	59.9	101.2	112.4
142.5°	0.0	11.2	52.5	86.2	97.4
145°	0.0	7.5	41.2	74.9	82.4
147.5°	0.0	7.5	33.7	59.9	67.4
150°	0.0	3.7	22.5	48.7	52.5
152.5°	0.0	3.7	18.7	37.5	37.5
155°	0.0	3.7	11.2	22.5	26.2
157.5°	0.0	0.0	7.5	15.0	15.0
160°	0.0	0.0	3.7	7.5	11.2
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)