

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: P218225

Luminaire Tested: **4SNLED-LD5-56SL-LN-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35686)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-56SL-LN-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5892.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

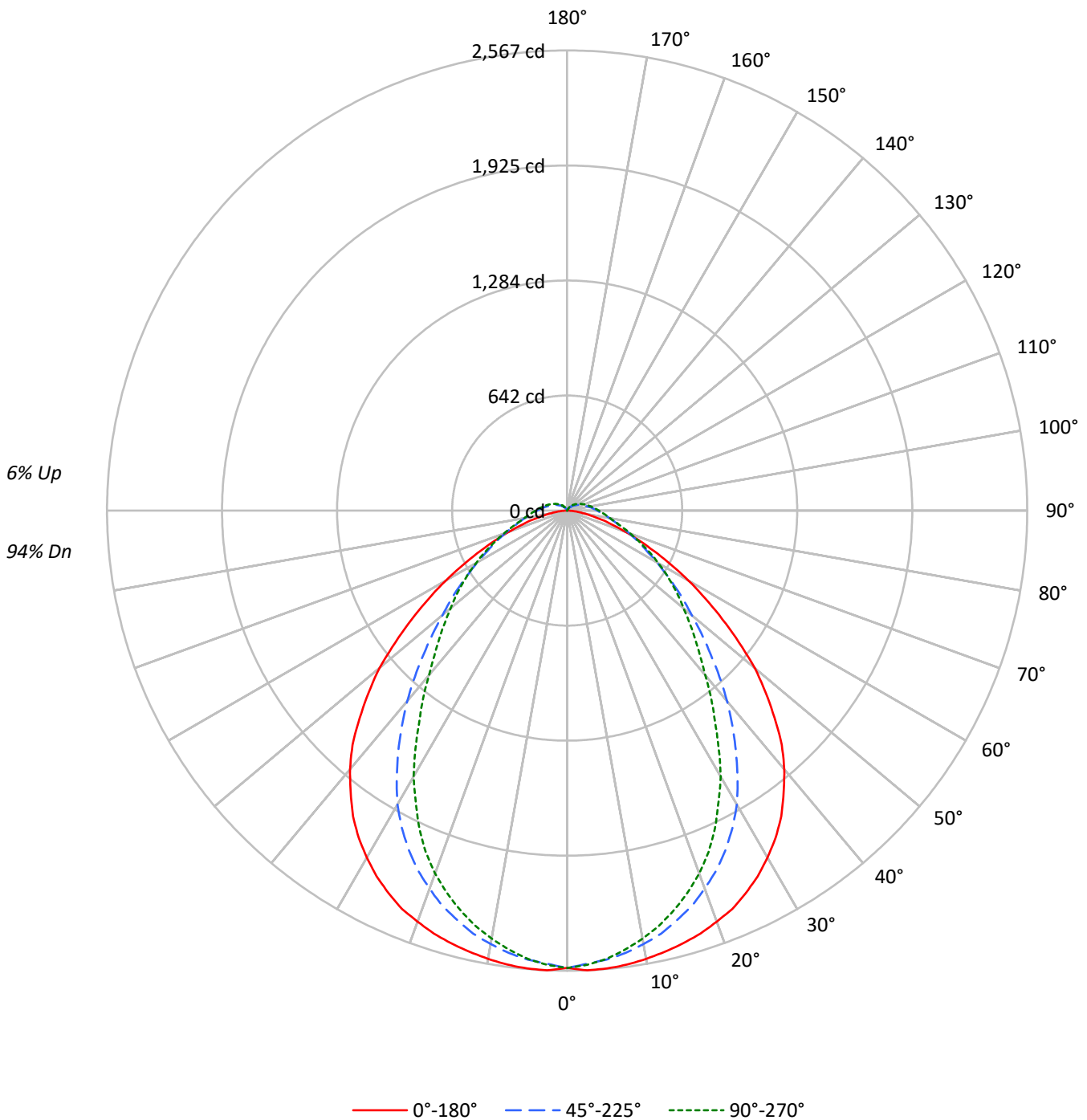
Input Watts (W): 47.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218225

CATALOG NUMBER: 4SNLED-LD5-56SL-LN-UNV-L840-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218225

CATALOG NUMBER: 4SNLED-LD5-56SL-LN-UNV-L840-CD1-U

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	103	99	95	105	100	97	93	95	92	89	90	88	86	86	84	82	80
2	99	91	85	79	96	89	83	78	84	79	75	80	76	73	77	73	70	68
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	84	73	64	58	81	71	63	57	68	61	56	65	59	55	62	57	53	51
5	77	65	57	51	75	64	56	50	61	54	49	59	53	48	56	51	47	45
6	72	59	51	45	70	58	50	44	56	49	44	54	47	43	52	46	42	40
7	67	54	46	40	65	53	45	40	51	44	39	49	43	38	47	42	38	36
8	63	50	42	36	61	49	41	36	47	40	35	45	39	35	44	38	34	32
9	59	46	38	33	57	45	38	33	43	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	35	30	40	34	29	39	33	29	38	32	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41117	41117	41117
5°	41324	38209	37353
10°	41245	35559	33722
15°	41226	32955	30345
20°	41213	30349	27084
25°	41090	27648	23676
30°	40608	24720	20212
35°	39809	21310	16629
40°	38294	18038	13705
45°	35785	14827	11495
50°	32618	12100	9693
55°	28063	9987	8261
60°	23511	8176	6921
65°	18684	6790	5721
70°	14565	5707	4722
75°	11037	4846	3921
80°	7683	4283	3368
85°	4668	3900	3048



TEST NUMBER: P218225

CATALOG NUMBER: 4SNLED-LD5-56SL-LN-UNV-L840-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.9	4.1
10°-20°	673.3	11.4
20°-30°	975.0	16.5
30°-40°	1061.1	18.0
40°-50°	942.4	16.0
50°-60°	717.3	12.2
60°-70°	476.3	8.1
70°-80°	290.2	4.9
80°-90°	179.8	3.1
90°-100°	122.8	2.1
100°-110°	86.2	1.5
110°-120°	58.7	1.0
120°-130°	37.3	0.6
130°-140°	21.2	0.4
140°-150°	9.9	0.2
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1888.1	32.0
0°-40°	2949.2	50.1
0°-60°	4608.9	78.2
0°-90°	5555.2	94.3
90°-120°	267.7	4.5
90°-150°	336.1	5.7
90°-180°	337.0	5.7
0°-180°	5892.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2552	2552	2552	2552	2552	
5°	2564	2549	2514	2527	2511	244
15°	2499	2456	2365	2338	2306	706
25°	2356	2251	2089	2005	1953	1085
35°	2083	1897	1642	1499	1437	1298
45°	1636	1391	1130	1034	1009	1260
55°	1058	860	730	717	714	950
65°	534	459	459	478	472	538
75°	205	233	292	307	298	222
85°	37	118	199	211	205	44
90°	0	87	168	183	177	3
95°	0	68	143	158	155	0
105°	0	44	102	118	118	0
115°	0	28	74	90	87	0
125°	0	19	50	62	62	0
135°	0	12	34	44	44	0
145°	0	6	19	25	25	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218225

CATALOG NUMBER: 4SNLED-LD5-56SL-LN-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2551.7	2551.7	2551.7	2551.7	2551.7
2.5°	2567.2	2554.8	2530.0	2545.5	2536.2
5°	2564.1	2548.6	2514.4	2526.8	2511.3
7.5°	2554.8	2536.2	2489.6	2495.8	2471.0
10°	2539.3	2514.4	2455.5	2449.2	2424.4
12.5°	2520.6	2489.6	2418.2	2396.5	2371.6
15°	2498.9	2455.5	2365.4	2337.5	2306.4
17.5°	2474.1	2415.1	2312.7	2269.2	2235.1
20°	2439.9	2368.5	2244.4	2191.6	2154.3
22.5°	2405.8	2312.7	2173.0	2101.6	2061.2
25°	2356.1	2250.6	2089.2	2005.3	1952.6
27.5°	2300.2	2179.2	1996.0	1887.4	1828.4
30°	2235.1	2095.4	1893.6	1766.3	1713.5
32.5°	2163.7	2002.2	1769.4	1632.8	1573.8
35°	2082.9	1896.7	1642.1	1499.3	1437.3
37.5°	1983.6	1781.8	1514.9	1369.0	1319.3
40°	1884.3	1660.8	1387.6	1251.0	1198.2
42.5°	1772.5	1527.3	1257.2	1133.0	1095.8
45°	1635.9	1390.7	1129.9	1033.7	1008.9
47.5°	1502.5	1251.0	1015.1	946.8	925.1
50°	1365.9	1114.4	906.4	863.0	847.5
52.5°	1207.5	980.9	816.4	788.5	782.3
55°	1058.5	859.9	729.5	717.1	714.0
57.5°	915.7	745.0	648.8	658.1	651.9
60°	782.3	639.5	577.4	589.8	586.7
62.5°	651.9	543.2	512.2	537.0	530.8
65°	533.9	459.4	459.4	478.1	471.8
67.5°	431.5	391.1	409.8	428.4	422.2
70°	344.6	329.0	366.3	381.8	375.6
72.5°	267.0	276.3	322.8	341.5	332.2
75°	204.9	232.8	291.8	307.3	298.0
77.5°	145.9	195.6	263.9	276.3	267.0
80°	102.4	164.5	239.0	251.4	242.1
82.5°	65.2	139.7	217.3	229.7	223.5
85°	37.3	118.0	198.7	211.1	204.9
87.5°	18.6	102.4	180.0	195.6	189.4
90°	0.0	86.9	167.6	183.1	176.9
92.5°	0.0	77.6	155.2	170.7	164.5
95°	0.0	68.3	142.8	158.3	155.2
97.5°	0.0	62.1	133.5	149.0	142.8
100°	0.0	52.8	121.1	136.6	133.5
102.5°	0.0	49.7	111.8	127.3	124.2
105°	0.0	43.5	102.4	118.0	118.0
107.5°	0.0	40.4	96.2	111.8	108.6
110°	0.0	34.1	86.9	102.4	102.4



TEST NUMBER: P218225

CATALOG NUMBER: 4SNLED-LD5-56SL-LN-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	31.0	80.7	96.2	93.1
115°	0.0	27.9	74.5	90.0	86.9
117.5°	0.0	27.9	68.3	80.7	80.7
120°	0.0	24.8	62.1	74.5	74.5
122.5°	0.0	21.7	55.9	68.3	68.3
125°	0.0	18.6	49.7	62.1	62.1
127.5°	0.0	18.6	46.6	59.0	59.0
130°	0.0	15.5	40.4	52.8	52.8
132.5°	0.0	12.4	37.3	46.6	46.6
135°	0.0	12.4	34.1	43.5	43.5
137.5°	0.0	9.3	27.9	37.3	37.3
140°	0.0	9.3	24.8	34.1	34.1
142.5°	0.0	6.2	21.7	31.0	27.9
145°	0.0	6.2	18.6	24.8	24.8
147.5°	0.0	3.1	15.5	21.7	21.7
150°	0.0	3.1	12.4	18.6	15.5
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
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)