

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: P218358

Luminaire Tested: **4SNLED-LD5-58SL-LW-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218358
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-LD5-58SL-LW-UNV-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6507.0 lumens
Efficiency: N/A
Efficacy: 118.5 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

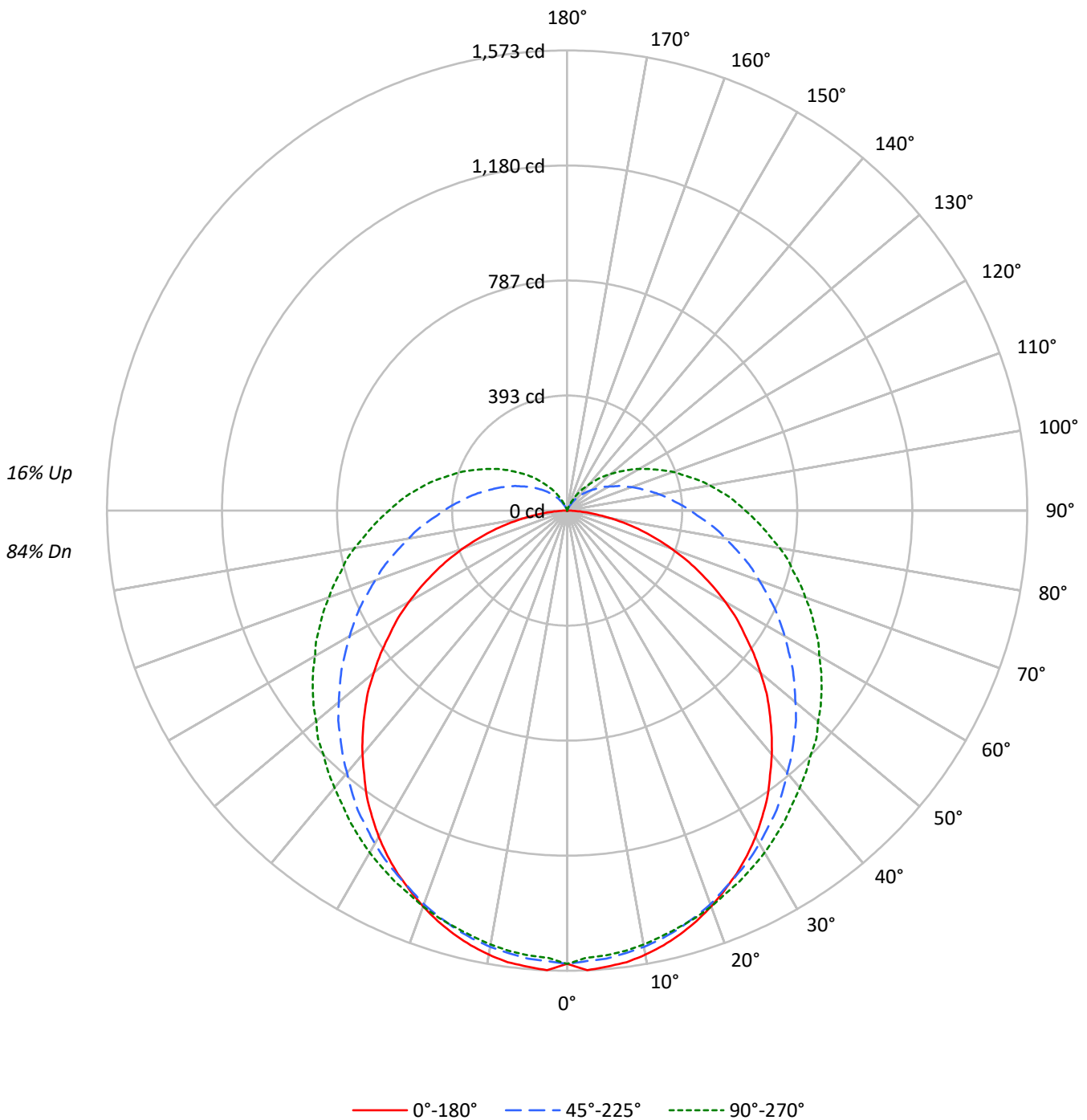
Input Watts (W): 54.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218358

CATALOG NUMBER: 4SNLED-LD5-58SL-LW-UNV-L850-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218358

CATALOG NUMBER: 4SNLED-LD5-58SL-LW-UNV-L850-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	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°	24965	24965	24965
5°	25220	23365	22696
10°	25038	21926	20952
15°	24722	20606	19408
20°	24323	19367	18104
25°	23889	18179	16940
30°	23397	17168	15927
35°	22822	16206	14990
40°	22128	15219	14149
45°	21426	14390	13428
50°	20594	13596	12810
55°	19659	12876	12281
60°	18766	12157	11738
65°	17480	11536	11309
70°	15997	10883	10891
75°	14086	10369	10525
80°	11127	9861	10260
85°	7322	9498	9983



TEST NUMBER: P218358

CATALOG NUMBER: 4SNLED-LD5-58SL-LW-UNV-L850-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.7	2.3
10°-20°	419.6	6.4
20°-30°	637.7	9.8
30°-40°	780.5	12.0
40°-50°	842.6	12.9
50°-60°	827.3	12.7
60°-70°	745.1	11.5
70°-80°	617.0	9.5
80°-90°	474.5	7.3
90°-100°	357.7	5.5
100°-110°	263.2	4.0
110°-120°	181.6	2.8
120°-130°	115.1	1.8
130°-140°	63.7	1.0
140°-150°	27.6	0.4
150°-160°	6.9	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1204.0	18.5
0°-40°	1984.5	30.5
0°-60°	3654.4	56.2
0°-90°	5490.9	84.4
90°-120°	802.5	12.3
90°-150°	1009.0	15.5
90°-180°	1016.0	15.6
0°-180°	6507.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1549	1549	1549	1549	1549	
5°	1565	1557	1538	1538	1526	149
15°	1498	1495	1479	1487	1475	422
25°	1370	1370	1374	1401	1397	631
35°	1194	1206	1249	1288	1296	746
45°	980	1022	1097	1163	1178	755
55°	742	823	940	1034	1062	665
65°	500	613	780	898	933	496
75°	262	418	624	757	800	277
85°	58	258	484	628	671	67
90°	0	199	422	566	609	3
95°	4	156	367	507	554	1
105°	0	98	273	398	437	0
115°	0	62	199	300	332	0
125°	0	39	137	215	238	0
135°	0	23	86	140	156	0
145°	0	8	43	78	86	0
155°	0	4	12	23	27	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218358

CATALOG NUMBER: 4SNLED-LD5-58SL-LW-UNV-L850-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1549.3	1549.3	1549.3	1549.3	1549.3
2.5°	1572.7	1561.0	1541.5	1541.5	1529.8
5°	1564.9	1557.1	1537.6	1537.6	1525.9
7.5°	1557.1	1549.3	1525.9	1529.8	1518.0
10°	1541.5	1533.7	1514.1	1518.0	1506.3
12.5°	1522.0	1514.1	1498.5	1502.4	1490.7
15°	1498.5	1494.6	1479.0	1486.8	1475.1
17.5°	1471.2	1467.3	1455.6	1467.3	1459.5
20°	1440.0	1440.0	1432.2	1447.8	1440.0
22.5°	1404.9	1404.9	1401.0	1424.4	1416.6
25°	1369.8	1369.8	1373.7	1401.0	1397.1
27.5°	1330.7	1334.6	1346.3	1377.6	1373.7
30°	1287.8	1295.6	1315.1	1350.2	1350.2
32.5°	1241.0	1248.8	1280.0	1322.9	1322.9
35°	1194.1	1205.9	1248.8	1287.8	1295.6
37.5°	1139.5	1159.0	1209.8	1256.6	1264.4
40°	1088.8	1116.1	1170.7	1225.4	1237.1
42.5°	1034.1	1069.3	1135.6	1198.0	1209.8
45°	979.5	1022.4	1096.6	1162.9	1178.5
47.5°	924.9	971.7	1061.5	1131.7	1155.1
50°	862.4	921.0	1018.5	1100.5	1120.0
52.5°	803.9	870.2	979.5	1065.4	1092.7
55°	741.5	823.4	940.5	1034.1	1061.5
57.5°	686.8	768.8	897.6	1002.9	1030.2
60°	624.4	714.1	858.5	963.9	995.1
62.5°	562.0	667.3	819.5	932.7	967.8
65°	499.5	612.7	780.5	897.6	932.7
67.5°	441.0	562.0	737.6	862.4	901.5
70°	378.5	511.2	698.5	827.3	866.3
72.5°	320.0	464.4	663.4	792.2	835.1
75°	261.5	417.6	624.4	757.1	800.0
77.5°	206.8	374.6	585.4	725.9	772.7
80°	148.3	331.7	550.2	690.7	737.6
82.5°	101.5	292.7	519.0	659.5	702.4
85°	58.5	257.6	483.9	628.3	671.2
87.5°	23.4	226.3	448.8	593.2	640.0
90°	0.0	199.0	421.5	565.9	608.8
92.5°	0.0	175.6	394.1	534.6	581.5
95°	3.9	156.1	366.8	507.3	554.1
97.5°	0.0	136.6	343.4	480.0	522.9
100°	0.0	124.9	320.0	452.7	495.6
102.5°	0.0	109.3	296.6	425.4	468.3
105°	0.0	97.6	273.2	398.0	437.1
107.5°	0.0	89.8	253.7	374.6	409.8
110°	0.0	78.0	234.1	351.2	386.3



TEST NUMBER: P218358

CATALOG NUMBER: 4SNLED-LD5-58SL-LW-UNV-L850-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	70.2	214.6	323.9	359.0
115°	0.0	62.4	199.0	300.5	331.7
117.5°	0.0	58.5	179.5	277.1	308.3
120°	0.0	50.7	163.9	257.6	284.9
122.5°	0.0	46.8	152.2	234.1	261.5
125°	0.0	39.0	136.6	214.6	238.0
127.5°	0.0	35.1	121.0	195.1	214.6
130°	0.0	31.2	109.3	175.6	195.1
132.5°	0.0	27.3	97.6	156.1	175.6
135°	0.0	23.4	85.9	140.5	156.1
137.5°	0.0	19.5	74.1	121.0	136.6
140°	0.0	15.6	62.4	105.4	117.1
142.5°	0.0	11.7	54.6	89.8	101.5
145°	0.0	7.8	42.9	78.0	85.9
147.5°	0.0	7.8	35.1	62.4	70.2
150°	0.0	3.9	23.4	50.7	54.6
152.5°	0.0	3.9	19.5	39.0	39.0
155°	0.0	3.9	11.7	23.4	27.3
157.5°	0.0	0.0	7.8	15.6	15.6
160°	0.0	0.0	3.9	7.8	11.7
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)