

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: P218360

Luminaire Tested: **4SNLED-LD5-65HL-LW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218360
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-LD5-65HL-LW-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6568.0 lumens
Efficiency: N/A
Efficacy: 106.3 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

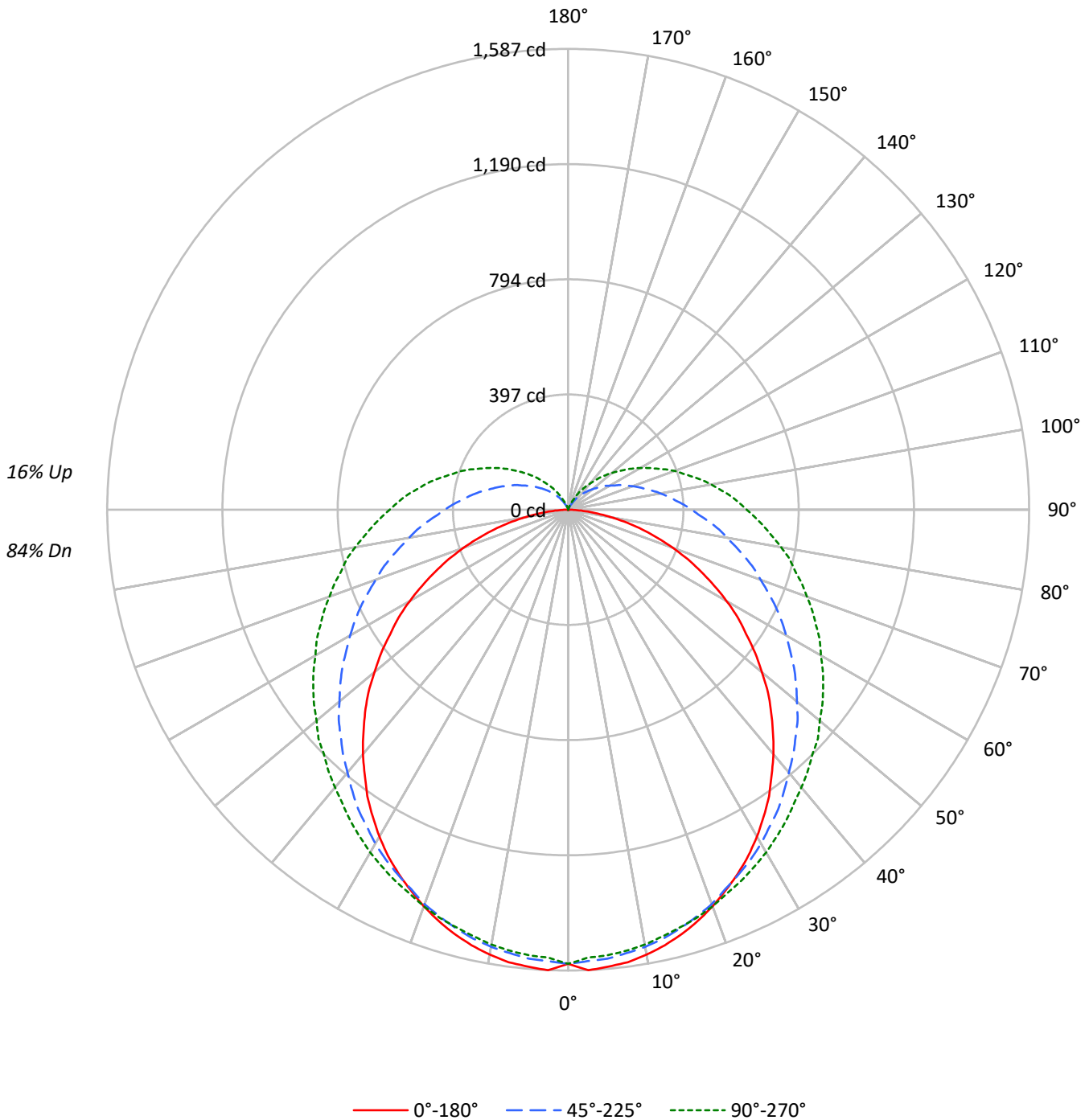
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	25199	25199	25199
5°	25456	23584	22909
10°	25272	22132	21150
15°	24954	20799	19590
20°	24551	19548	18273
25°	24112	18349	17099
30°	23617	17330	16077
35°	23036	16358	15131
40°	22335	15362	14282
45°	21628	14525	13554
50°	20788	13724	12930
55°	19842	12996	12396
60°	18940	12271	11849
65°	17644	11644	11415
70°	16149	10986	10994
75°	14215	10465	10624
80°	11232	9954	10356
85°	7397	9586	10077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	2.3
10°-20°	423.5	6.4
20°-30°	643.7	9.8
30°-40°	787.8	12.0
40°-50°	850.5	12.9
50°-60°	835.0	12.7
60°-70°	752.0	11.5
70°-80°	622.7	9.5
80°-90°	479.0	7.3
90°-100°	361.1	5.5
100°-110°	265.7	4.0
110°-120°	183.3	2.8
120°-130°	116.2	1.8
130°-140°	64.3	1.0
140°-150°	27.9	0.4
150°-160°	7.0	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1215.3	18.5
0°-40°	2003.1	30.5
0°-60°	3688.6	56.2
0°-90°	5542.4	84.4
90°-120°	810.0	12.3
90°-150°	1018.5	15.5
90°-180°	1026.0	15.6
0°-180°	6568.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1564	1564	1564	1564	1564	
5°	1580	1572	1552	1552	1540	150
15°	1513	1509	1493	1501	1489	426
25°	1383	1383	1386	1414	1410	637
35°	1205	1217	1260	1300	1308	753
45°	989	1032	1107	1174	1190	763
55°	748	831	949	1044	1071	672
65°	504	618	788	906	941	500
75°	264	422	630	764	808	280
85°	59	260	488	634	678	67
90°	0	201	425	571	614	3
95°	4	158	370	512	559	1
105°	0	98	276	402	441	0
115°	0	63	201	303	335	0
125°	0	39	138	217	240	0
135°	0	24	87	142	158	0
145°	0	8	43	79	87	0
155°	0	4	12	24	28	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P218360

CATALOG NUMBER: 4SNLED-LD5-65HL-LW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1563.8	1563.8	1563.8	1563.8	1563.8
2.5°	1587.4	1575.6	1555.9	1555.9	1544.1
5°	1579.5	1571.7	1552.0	1552.0	1540.2
7.5°	1571.7	1563.8	1540.2	1544.1	1532.3
10°	1555.9	1548.0	1528.3	1532.3	1520.5
12.5°	1536.2	1528.3	1512.6	1516.5	1504.7
15°	1512.6	1508.6	1492.9	1500.8	1489.0
17.5°	1485.0	1481.1	1469.3	1481.1	1473.2
20°	1453.5	1453.5	1445.6	1461.4	1453.5
22.5°	1418.0	1418.0	1414.1	1437.7	1429.9
25°	1382.6	1382.6	1386.5	1414.1	1410.2
27.5°	1343.2	1347.1	1359.0	1390.5	1386.5
30°	1299.9	1307.8	1327.5	1362.9	1362.9
32.5°	1252.6	1260.5	1292.0	1335.3	1335.3
35°	1205.3	1217.2	1260.5	1299.9	1307.8
37.5°	1150.2	1169.9	1221.1	1268.4	1276.2
40°	1099.0	1126.6	1181.7	1236.9	1248.7
42.5°	1043.8	1079.3	1146.3	1209.3	1221.1
45°	988.7	1032.0	1106.9	1173.8	1189.6
47.5°	933.5	980.8	1071.4	1142.3	1166.0
50°	870.5	929.6	1028.1	1110.8	1130.5
52.5°	811.4	878.4	988.7	1075.4	1102.9
55°	748.4	831.1	949.3	1043.8	1071.4
57.5°	693.3	776.0	906.0	1012.3	1039.9
60°	630.2	720.8	866.6	972.9	1004.5
62.5°	567.2	673.6	827.2	941.4	976.9
65°	504.2	618.4	787.8	906.0	941.4
67.5°	445.1	567.2	744.5	870.5	909.9
70°	382.1	516.0	705.1	835.1	874.5
72.5°	323.0	468.7	669.6	799.6	843.0
75°	263.9	421.5	630.2	764.2	807.5
77.5°	208.8	378.1	590.9	732.7	779.9
80°	149.7	334.8	555.4	697.2	744.5
82.5°	102.4	295.4	523.9	665.7	709.0
85°	59.1	260.0	488.4	634.2	677.5
87.5°	23.6	228.5	453.0	598.7	646.0
90°	0.0	200.9	425.4	571.2	614.5
92.5°	0.0	177.3	397.8	539.6	586.9
95°	3.9	157.6	370.3	512.1	559.3
97.5°	0.0	137.9	346.6	484.5	527.8
100°	0.0	126.0	323.0	456.9	500.3
102.5°	0.0	110.3	299.4	429.4	472.7
105°	0.0	98.5	275.7	401.8	441.2
107.5°	0.0	90.6	256.0	378.1	413.6
110°	0.0	78.8	236.3	354.5	390.0



TEST NUMBER: P218360

CATALOG NUMBER: 4SNLED-LD5-65HL-LW-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	70.9	216.6	326.9	362.4
115°	0.0	63.0	200.9	303.3	334.8
117.5°	0.0	59.1	181.2	279.7	311.2
120°	0.0	51.2	165.4	260.0	287.5
122.5°	0.0	47.3	153.6	236.3	263.9
125°	0.0	39.4	137.9	216.6	240.3
127.5°	0.0	35.5	122.1	197.0	216.6
130°	0.0	31.5	110.3	177.3	197.0
132.5°	0.0	27.6	98.5	157.6	177.3
135°	0.0	23.6	86.7	141.8	157.6
137.5°	0.0	19.7	74.8	122.1	137.9
140°	0.0	15.8	63.0	106.4	118.2
142.5°	0.0	11.8	55.1	90.6	102.4
145°	0.0	7.9	43.3	78.8	86.7
147.5°	0.0	7.9	35.5	63.0	70.9
150°	0.0	3.9	23.6	51.2	55.1
152.5°	0.0	3.9	19.7	39.4	39.4
155°	0.0	3.9	11.8	23.6	27.6
157.5°	0.0	0.0	7.9	15.8	15.8
160°	0.0	0.0	3.9	7.9	11.8
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)