

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: P218361

Luminaire Tested: **4SNLED-LD5-65HL-LW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218361
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-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6699.0 lumens
Efficiency: N/A
Efficacy: 108.4 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

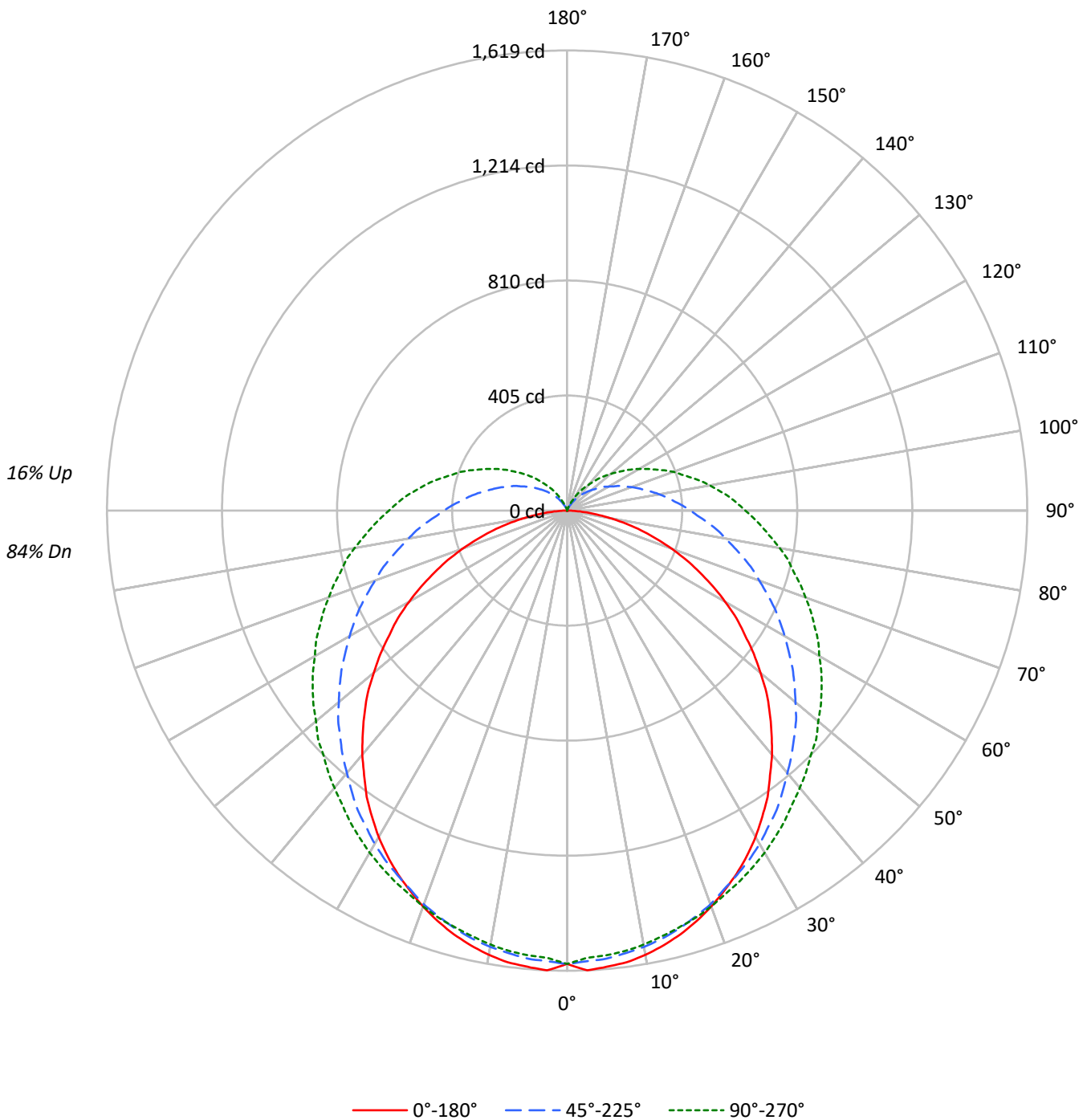
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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°	25701	25701	25701
5°	25965	24054	23365
10°	25775	22573	21571
15°	25452	21214	19980
20°	25041	19939	18638
25°	24594	18715	17440
30°	24088	17674	16398
35°	23497	16684	15432
40°	22780	15669	14567
45°	22059	14813	13824
50°	21203	13998	13188
55°	20237	13255	12644
60°	19319	12516	12085
65°	17998	11876	11643
70°	16471	11204	11213
75°	14501	10674	10836
80°	11457	10153	10562
85°	7547	9778	10278



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.0	2.3
10°-20°	431.9	6.4
20°-30°	656.5	9.8
30°-40°	803.5	12.0
40°-50°	867.5	12.9
50°-60°	851.7	12.7
60°-70°	767.0	11.5
70°-80°	635.2	9.5
80°-90°	488.5	7.3
90°-100°	368.3	5.5
100°-110°	271.0	4.0
110°-120°	187.0	2.8
120°-130°	118.6	1.8
130°-140°	65.6	1.0
140°-150°	28.4	0.4
150°-160°	7.1	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1239.5	18.5
0°-40°	2043.0	30.5
0°-60°	3762.2	56.2
0°-90°	5652.9	84.4
90°-120°	826.2	12.3
90°-150°	1038.8	15.5
90°-180°	1046.0	15.6
0°-180°	6699.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1595	1595	1595	1595	1595	
5°	1611	1603	1583	1583	1571	153
15°	1543	1539	1523	1531	1519	435
25°	1410	1410	1414	1442	1438	649
35°	1229	1241	1286	1326	1334	768
45°	1008	1053	1129	1197	1213	778
55°	763	848	968	1065	1093	685
65°	514	631	804	924	960	510
75°	269	430	643	779	824	285
85°	60	265	498	647	691	69
90°	0	205	434	582	627	3
95°	4	161	378	522	570	1
105°	0	100	281	410	450	0
115°	0	64	205	309	342	0
125°	0	40	141	221	245	0
135°	0	24	88	145	161	0
145°	0	8	44	80	88	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: P218361

CATALOG NUMBER: 4SNLED-LD5-65HL-LW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1595.0	1595.0	1595.0	1595.0	1595.0
2.5°	1619.1	1607.0	1586.9	1586.9	1574.9
5°	1611.1	1603.0	1582.9	1582.9	1570.9
7.5°	1603.0	1595.0	1570.9	1574.9	1562.8
10°	1586.9	1578.9	1558.8	1562.8	1550.8
12.5°	1566.9	1558.8	1542.8	1546.8	1534.7
15°	1542.8	1538.7	1522.7	1530.7	1518.6
17.5°	1514.6	1510.6	1498.6	1510.6	1502.6
20°	1482.5	1482.5	1474.5	1490.5	1482.5
22.5°	1446.3	1446.3	1442.3	1466.4	1458.4
25°	1410.2	1410.2	1414.2	1442.3	1438.3
27.5°	1370.0	1374.0	1386.1	1418.2	1414.2
30°	1325.8	1333.8	1353.9	1390.1	1390.1
32.5°	1277.6	1285.6	1317.8	1362.0	1362.0
35°	1229.4	1241.4	1285.6	1325.8	1333.8
37.5°	1173.1	1193.2	1245.5	1293.7	1301.7
40°	1120.9	1149.0	1205.3	1261.5	1273.6
42.5°	1064.7	1100.8	1169.1	1233.4	1245.5
45°	1008.4	1052.6	1128.9	1197.2	1213.3
47.5°	952.2	1000.4	1092.8	1165.1	1189.2
50°	887.9	948.2	1048.6	1133.0	1153.0
52.5°	827.6	895.9	1008.4	1096.8	1124.9
55°	763.3	847.7	968.2	1064.7	1092.8
57.5°	707.1	791.5	924.0	1032.5	1060.6
60°	642.8	735.2	883.9	992.3	1024.5
62.5°	578.5	687.0	843.7	960.2	996.4
65°	514.3	630.8	803.5	924.0	960.2
67.5°	454.0	578.5	759.3	887.9	928.1
70°	389.7	526.3	719.1	851.7	891.9
72.5°	329.4	478.1	683.0	815.6	859.8
75°	269.2	429.9	642.8	779.4	823.6
77.5°	212.9	385.7	602.6	747.3	795.5
80°	152.7	341.5	566.5	711.1	759.3
82.5°	104.5	301.3	534.3	679.0	723.2
85°	60.3	265.2	498.2	646.8	691.0
87.5°	24.1	233.0	462.0	610.7	658.9
90°	0.0	204.9	433.9	582.5	626.7
92.5°	0.0	180.8	405.8	550.4	598.6
95°	4.0	160.7	377.7	522.3	570.5
97.5°	0.0	140.6	353.5	494.2	538.4
100°	0.0	128.6	329.4	466.0	510.2
102.5°	0.0	112.5	305.3	437.9	482.1
105°	0.0	100.4	281.2	409.8	450.0
107.5°	0.0	92.4	261.1	385.7	421.8
110°	0.0	80.4	241.1	361.6	397.7



TEST NUMBER: P218361

CATALOG NUMBER: 4SNLED-LD5-65HL-LW-UNV-L840-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	72.3	221.0	333.5	369.6
115°	0.0	64.3	204.9	309.4	341.5
117.5°	0.0	60.3	184.8	285.2	317.4
120°	0.0	52.2	168.7	265.2	293.3
122.5°	0.0	48.2	156.7	241.1	269.2
125°	0.0	40.2	140.6	221.0	245.1
127.5°	0.0	36.2	124.5	200.9	221.0
130°	0.0	32.1	112.5	180.8	200.9
132.5°	0.0	28.1	100.4	160.7	180.8
135°	0.0	24.1	88.4	144.6	160.7
137.5°	0.0	20.1	76.3	124.5	140.6
140°	0.0	16.1	64.3	108.5	120.5
142.5°	0.0	12.1	56.2	92.4	104.5
145°	0.0	8.0	44.2	80.4	88.4
147.5°	0.0	8.0	36.2	64.3	72.3
150°	0.0	4.0	24.1	52.2	56.2
152.5°	0.0	4.0	20.1	40.2	40.2
155°	0.0	4.0	12.1	24.1	28.1
157.5°	0.0	0.0	8.0	16.1	16.1
160°	0.0	0.0	4.0	8.0	12.1
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)