

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: P218359

Luminaire Tested: **4SNLED-LD5-65HL-LW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218359
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-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6183.0 lumens
Efficiency: N/A
Efficacy: 100.0 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

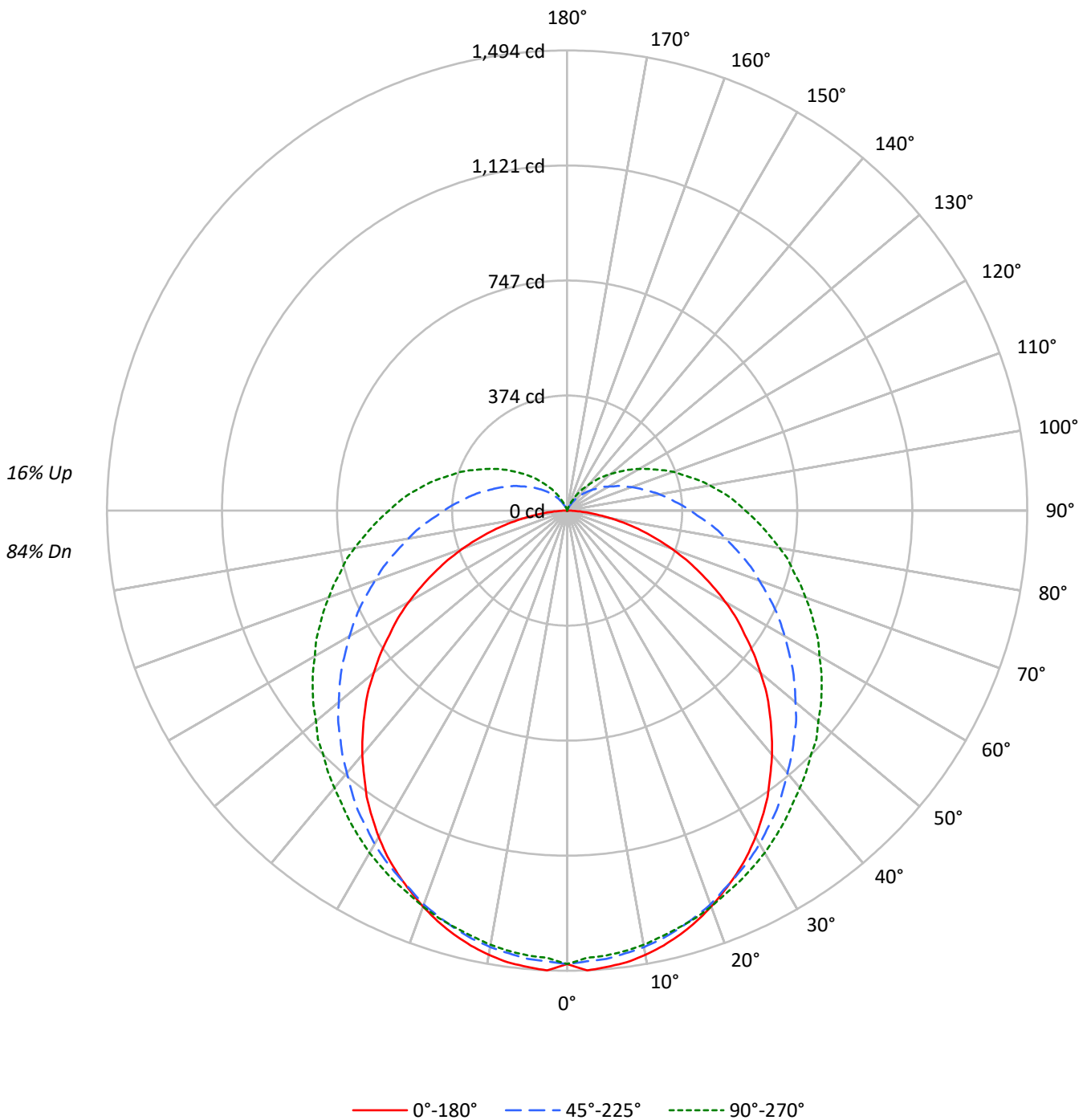
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	23721	23721	23721
5°	23965	22201	21566
10°	23791	20836	19909
15°	23491	19580	18442
20°	23112	18403	17202
25°	22700	17274	16096
30°	22233	16313	15134
35°	21687	15399	14244
40°	21026	14461	13445
45°	20359	13673	12760
50°	19570	12919	12172
55°	18678	12235	11669
60°	17831	11552	11154
65°	16609	10961	10745
70°	15203	10342	10349
75°	13380	9852	10002
80°	10572	9370	9748
85°	6959	9025	9487



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	2.3
10°-20°	398.7	6.4
20°-30°	606.0	9.8
30°-40°	741.6	12.0
40°-50°	800.7	12.9
50°-60°	786.1	12.7
60°-70°	708.0	11.5
70°-80°	586.2	9.5
80°-90°	450.9	7.3
90°-100°	339.9	5.5
100°-110°	250.1	4.0
110°-120°	172.5	2.8
120°-130°	109.4	1.8
130°-140°	60.6	1.0
140°-150°	26.2	0.4
150°-160°	6.5	0.1
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	1144.1	18.5
0°-40°	1885.7	30.5
0°-60°	3472.4	56.2
0°-90°	5217.5	84.4
90°-120°	762.5	12.3
90°-150°	958.7	15.5
90°-180°	965.0	15.6
0°-180°	6183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1472	1472	1472	1472	1472	
5°	1487	1480	1461	1461	1450	141
15°	1424	1420	1405	1413	1402	401
25°	1302	1302	1305	1331	1328	599
35°	1135	1146	1187	1224	1231	708
45°	931	972	1042	1105	1120	718
55°	704	782	894	983	1009	632
65°	475	582	742	853	886	471
75°	248	397	593	719	760	263
85°	56	245	460	597	638	63
90°	0	189	400	538	578	3
95°	4	148	349	482	527	1
105°	0	93	260	378	415	0
115°	0	59	189	286	315	0
125°	0	37	130	204	226	0
135°	0	22	82	134	148	0
145°	0	7	41	74	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°	1472.1	1472.1	1472.1	1472.1	1472.1
2.5°	1494.4	1483.3	1464.7	1464.7	1453.6
5°	1487.0	1479.5	1461.0	1461.0	1449.9
7.5°	1479.5	1472.1	1449.9	1453.6	1442.5
10°	1464.7	1457.3	1438.8	1442.5	1431.3
12.5°	1446.2	1438.8	1423.9	1427.6	1416.5
15°	1423.9	1420.2	1405.4	1412.8	1401.7
17.5°	1398.0	1394.3	1383.1	1394.3	1386.8
20°	1368.3	1368.3	1360.9	1375.7	1368.3
22.5°	1334.9	1334.9	1331.2	1353.5	1346.0
25°	1301.6	1301.6	1305.3	1331.2	1327.5
27.5°	1264.5	1268.2	1279.3	1309.0	1305.3
30°	1223.7	1231.1	1249.6	1283.0	1283.0
32.5°	1179.2	1186.6	1216.3	1257.1	1257.1
35°	1134.7	1145.8	1186.6	1223.7	1231.1
37.5°	1082.8	1101.3	1149.5	1194.0	1201.4
40°	1034.6	1060.5	1112.4	1164.4	1175.5
42.5°	982.7	1016.0	1079.1	1138.4	1149.5
45°	930.7	971.5	1042.0	1105.0	1119.9
47.5°	878.8	923.3	1008.6	1075.4	1097.6
50°	819.5	875.1	967.8	1045.7	1064.2
52.5°	763.9	826.9	930.7	1012.3	1038.3
55°	704.5	782.4	893.7	982.7	1008.6
57.5°	652.6	730.5	852.9	953.0	978.9
60°	593.3	678.6	815.8	915.9	945.6
62.5°	534.0	634.1	778.7	886.2	919.6
65°	474.6	582.2	741.6	852.9	886.2
67.5°	419.0	534.0	700.8	819.5	856.6
70°	359.7	485.8	663.8	786.1	823.2
72.5°	304.1	441.3	630.4	752.7	793.5
75°	248.4	396.8	593.3	719.4	760.2
77.5°	196.5	356.0	556.2	689.7	734.2
80°	140.9	315.2	522.8	656.3	700.8
82.5°	96.4	278.1	493.2	626.7	667.5
85°	55.6	244.7	459.8	597.0	637.8
87.5°	22.2	215.1	426.4	563.6	608.1
90°	0.0	189.1	400.5	537.7	578.5
92.5°	0.0	166.9	374.5	508.0	552.5
95°	3.7	148.3	348.6	482.1	526.6
97.5°	0.0	129.8	326.3	456.1	496.9
100°	0.0	118.7	304.1	430.1	470.9
102.5°	0.0	103.8	281.8	404.2	445.0
105°	0.0	92.7	259.6	378.2	415.3
107.5°	0.0	85.3	241.0	356.0	389.4
110°	0.0	74.2	222.5	333.7	367.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	66.7	203.9	307.8	341.1
115°	0.0	59.3	189.1	285.5	315.2
117.5°	0.0	55.6	170.6	263.3	292.9
120°	0.0	48.2	155.7	244.7	270.7
122.5°	0.0	44.5	144.6	222.5	248.4
125°	0.0	37.1	129.8	203.9	226.2
127.5°	0.0	33.4	115.0	185.4	203.9
130°	0.0	29.7	103.8	166.9	185.4
132.5°	0.0	26.0	92.7	148.3	166.9
135°	0.0	22.2	81.6	133.5	148.3
137.5°	0.0	18.5	70.5	115.0	129.8
140°	0.0	14.8	59.3	100.1	111.2
142.5°	0.0	11.1	51.9	85.3	96.4
145°	0.0	7.4	40.8	74.2	81.6
147.5°	0.0	7.4	33.4	59.3	66.7
150°	0.0	3.7	22.2	48.2	51.9
152.5°	0.0	3.7	18.5	37.1	37.1
155°	0.0	3.7	11.1	22.2	26.0
157.5°	0.0	0.0	7.4	14.8	14.8
160°	0.0	0.0	3.7	7.4	11.1
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)