

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: P218172

Luminaire Tested: **2SNLED-LD5-32HL-LN-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218172
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: 2SNLED-LD5-32HL-LN-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3341.0 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.04 / 1.17
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

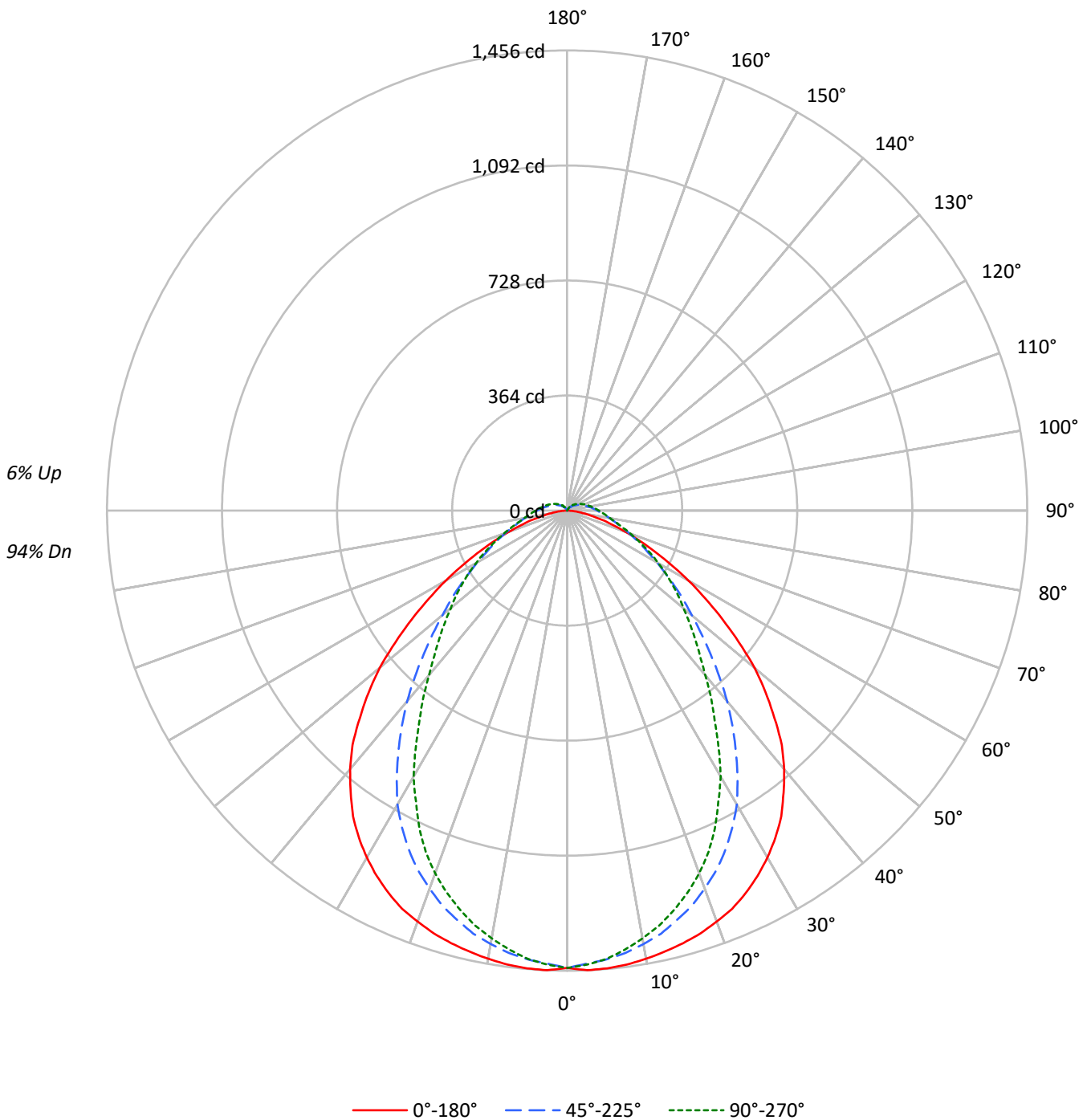
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	46630	46630	46630
5°	46693	43228	42361
10°	46436	40140	38243
15°	46242	37129	34413
20°	46048	34128	30716
25°	45726	31035	26850
30°	44994	27702	22922
35°	43900	23844	18859
40°	42008	20148	15541
45°	39019	16534	13037
50°	35317	13471	10992
55°	30130	11100	9369
60°	24979	9068	7849
65°	19584	7516	6489
70°	14976	6303	5356
75°	11031	5340	4447
80°	7318	4705	3820
85°	3992	4271	3457



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	4.1
10°-20°	381.8	11.4
20°-30°	552.8	16.5
30°-40°	601.7	18.0
40°-50°	534.4	16.0
50°-60°	406.8	12.2
60°-70°	270.1	8.1
70°-80°	164.6	4.9
80°-90°	102.0	3.1
90°-100°	69.6	2.1
100°-110°	48.9	1.5
110°-120°	33.3	1.0
120°-130°	21.1	0.6
130°-140°	12.0	0.4
140°-150°	5.6	0.2
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1070.6	32.0
0°-40°	1672.3	50.1
0°-60°	2613.4	78.2
0°-90°	3150.1	94.3
90°-120°	151.8	4.5
90°-150°	190.6	5.7
90°-180°	191.0	5.7
0°-180°	3341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1447	1447	1447	1447	1447	
5°	1454	1445	1426	1433	1424	138
15°	1417	1392	1341	1326	1308	400
25°	1336	1276	1185	1137	1107	615
35°	1181	1076	931	850	815	736
45°	928	789	641	586	572	714
55°	600	488	414	407	405	538
65°	303	260	260	271	268	305
75°	116	132	166	174	169	126
85°	21	67	113	120	116	25
90°	0	49	95	104	100	1
95°	0	39	81	90	88	0
105°	0	25	58	67	67	0
115°	0	16	42	51	49	0
125°	0	11	28	35	35	0
135°	0	7	19	25	25	0
145°	0	4	11	14	14	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



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1446.9	1446.9	1446.9	1446.9	1446.9
2.5°	1455.7	1448.7	1434.6	1443.4	1438.1
5°	1453.9	1445.1	1425.8	1432.8	1424.0
7.5°	1448.7	1438.1	1411.7	1415.2	1401.1
10°	1439.9	1425.8	1392.3	1388.8	1374.7
12.5°	1429.3	1411.7	1371.2	1358.9	1344.8
15°	1417.0	1392.3	1341.3	1325.5	1307.8
17.5°	1402.9	1369.5	1311.4	1286.7	1267.4
20°	1383.5	1343.1	1272.6	1242.7	1221.6
22.5°	1364.2	1311.4	1232.2	1191.7	1168.8
25°	1336.0	1276.2	1184.6	1137.1	1107.2
27.5°	1304.3	1235.7	1131.8	1070.2	1036.8
30°	1267.4	1188.2	1073.7	1001.6	971.6
32.5°	1226.9	1135.3	1003.3	925.9	892.4
35°	1181.1	1075.5	931.2	850.2	815.0
37.5°	1124.8	1010.4	859.0	776.3	748.1
40°	1068.5	941.7	786.8	709.4	679.4
42.5°	1005.1	866.0	712.9	642.5	621.4
45°	927.6	788.6	640.7	586.2	572.1
47.5°	851.9	709.4	575.6	536.9	524.5
50°	774.5	631.9	514.0	489.3	480.5
52.5°	684.7	556.2	462.9	447.1	443.6
55°	600.2	487.6	413.7	406.6	404.9
57.5°	519.3	422.5	367.9	373.2	369.6
60°	443.6	362.6	327.4	334.4	332.7
62.5°	369.6	308.0	290.4	304.5	301.0
65°	302.8	260.5	260.5	271.1	267.6
67.5°	244.7	221.8	232.3	242.9	239.4
70°	195.4	186.6	207.7	216.5	213.0
72.5°	151.4	156.7	183.1	193.6	188.3
75°	116.2	132.0	165.5	174.3	169.0
77.5°	82.7	110.9	149.6	156.7	151.4
80°	58.1	93.3	135.5	142.6	137.3
82.5°	37.0	79.2	123.2	130.3	126.7
85°	21.1	66.9	112.7	119.7	116.2
87.5°	10.6	58.1	102.1	110.9	107.4
90°	0.0	49.3	95.1	103.9	100.3
92.5°	0.0	44.0	88.0	96.8	93.3
95°	0.0	38.7	81.0	89.8	88.0
97.5°	0.0	35.2	75.7	84.5	81.0
100°	0.0	29.9	68.6	77.4	75.7
102.5°	0.0	28.2	63.4	72.2	70.4
105°	0.0	24.6	58.1	66.9	66.9
107.5°	0.0	22.9	54.6	63.4	61.6
110°	0.0	19.4	49.3	58.1	58.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	17.6	45.8	54.6	52.8
115°	0.0	15.8	42.2	51.0	49.3
117.5°	0.0	15.8	38.7	45.8	45.8
120°	0.0	14.1	35.2	42.2	42.2
122.5°	0.0	12.3	31.7	38.7	38.7
125°	0.0	10.6	28.2	35.2	35.2
127.5°	0.0	10.6	26.4	33.4	33.4
130°	0.0	8.8	22.9	29.9	29.9
132.5°	0.0	7.0	21.1	26.4	26.4
135°	0.0	7.0	19.4	24.6	24.6
137.5°	0.0	5.3	15.8	21.1	21.1
140°	0.0	5.3	14.1	19.4	19.4
142.5°	0.0	3.5	12.3	17.6	15.8
145°	0.0	3.5	10.6	14.1	14.1
147.5°	0.0	1.8	8.8	12.3	12.3
150°	0.0	1.8	7.0	10.6	8.8
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)