

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: P#

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-32HL-SLN-UNV-L835-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

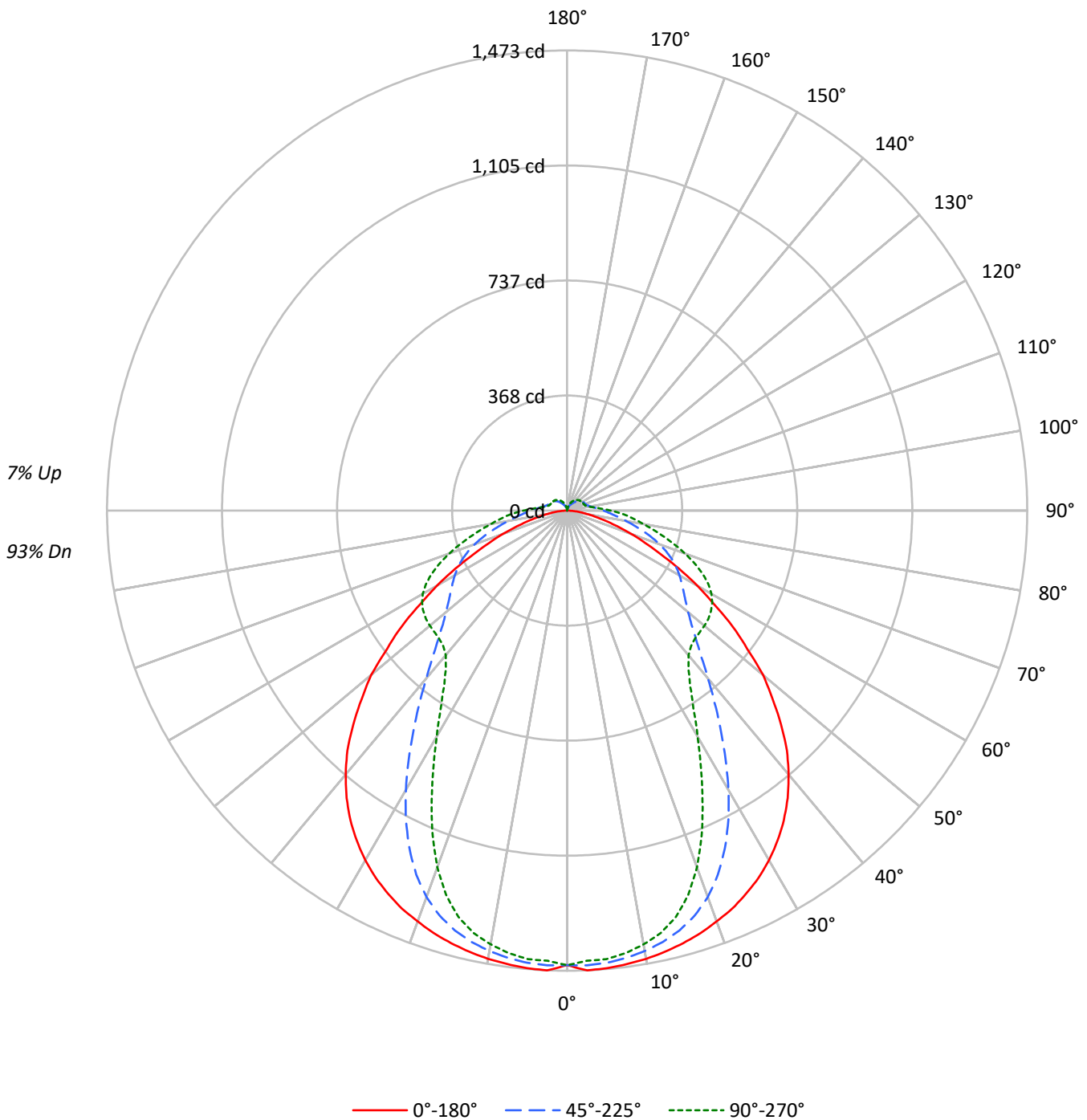
Lumens per Lamp: N/A
Luminaire Lumens: 3659.0 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 27
Input Voltage (V): NR
Input Current (Ain): 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23516	23516	23516
5°	23721	22953	22637
10°	23649	22278	21705
15°	23590	21493	20466
20°	23532	20350	18381
25°	23469	18612	15565
30°	23281	16348	12803
35°	22865	13883	10729
40°	22108	11733	9699
45°	20839	10175	9625
50°	19146	9279	9963
55°	16750	8896	10311
60°	14018	8740	10454
65°	11152	8515	10127
70°	8824	8041	9340
75°	6501	7237	8289
80°	4604	6450	7374
85°	2802	6018	6782



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	3.8
10°-20°	389.1	10.6
20°-30°	543.9	14.9
30°-40°	564.1	15.4
40°-50°	521.2	14.2
50°-60°	465.3	12.7
60°-70°	377.1	10.3
70°-80°	250.8	6.9
80°-90°	143.6	3.9
90°-100°	79.5	2.2
100°-110°	53.8	1.5
110°-120°	44.8	1.2
120°-130°	36.4	1.0
130°-140°	26.3	0.7
140°-150°	15.8	0.4
150°-160°	7.6	0.2
160°-170°	2.0	0.1
170°-180°	0.0	0.0
0°-30°	1070.6	29.3
0°-40°	1634.8	44.7
0°-60°	2621.2	71.6
0°-90°	3392.8	92.7
90°-120°	178.1	4.9
90°-150°	256.6	7.0
90°-180°	266.0	7.3
0°-180°	3659.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1455	1455	1455	1455	1455	
5°	1470	1446	1453	1443	1441	140
15°	1434	1403	1391	1360	1346	405
25°	1354	1294	1194	1069	1026	624
35°	1210	1077	856	719	687	755
45°	969	768	583	562	579	745
55°	648	489	455	529	562	576
65°	331	296	370	454	478	334
75°	128	161	250	306	319	141
85°	26	75	147	188	194	30
90°	1	52	116	140	139	2
95°	1	44	92	99	96	1
105°	1	39	66	64	61	1
115°	1	35	59	58	56	1
125°	1	30	52	54	53	1
135°	1	22	41	48	48	1
145°	1	14	28	37	40	1
155°	1	9	18	23	28	1
165°	1	5	9	11	15	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°	1455.0	1455.0	1455.0	1455.0	1455.0
2.5°	1473.3	1449.3	1456.9	1450.5	1442.3
5°	1470.1	1445.5	1453.1	1443.0	1441.1
7.5°	1464.4	1439.8	1444.2	1432.2	1429.0
10°	1456.9	1430.9	1431.6	1414.5	1410.1
12.5°	1446.7	1418.3	1414.5	1391.1	1384.8
15°	1433.5	1403.1	1391.1	1359.5	1346.2
17.5°	1418.9	1383.5	1358.9	1310.2	1289.3
20°	1399.3	1359.5	1316.5	1242.5	1214.7
22.5°	1379.7	1330.4	1261.5	1162.8	1125.5
25°	1354.4	1294.4	1194.4	1069.3	1025.6
27.5°	1326.0	1252.0	1117.3	973.1	926.3
30°	1292.5	1200.8	1032.6	878.9	834.7
32.5°	1253.3	1143.2	943.4	794.2	753.1
35°	1209.6	1076.8	856.2	718.9	686.7
37.5°	1159.7	1004.1	775.2	658.2	637.4
40°	1102.8	925.1	700.6	611.5	604.5
42.5°	1041.4	847.9	636.7	581.1	587.4
45°	968.7	767.6	583.0	562.1	579.2
47.5°	892.2	689.2	539.4	551.4	576.0
50°	818.2	616.5	505.2	544.4	573.5
52.5°	726.5	551.4	478.0	538.1	569.7
55°	647.5	489.4	455.3	529.3	562.1
57.5°	556.4	433.8	435.0	517.9	550.7
60°	480.6	383.2	415.4	502.1	533.7
62.5°	403.4	337.7	393.9	481.2	509.6
65°	330.7	295.9	370.5	454.0	478.0
67.5°	270.0	258.0	344.0	421.1	441.4
70°	218.8	223.2	314.9	384.4	401.5
72.5°	168.2	191.0	283.3	345.2	359.8
75°	128.4	160.6	249.8	306.0	318.7
77.5°	94.8	134.1	219.4	270.6	281.4
80°	67.0	110.7	191.0	239.6	247.9
82.5°	44.9	91.1	167.6	211.8	219.4
85°	25.9	74.6	147.3	188.4	193.5
87.5°	10.7	62.0	130.9	164.4	166.9
90°	1.3	52.5	116.3	140.4	139.1
92.5°	1.3	47.4	103.7	117.6	114.4
95°	1.3	44.3	92.3	98.6	95.5
97.5°	1.3	42.4	82.2	84.7	81.6
100°	0.6	41.1	75.2	75.2	72.1
102.5°	0.6	39.8	70.2	68.3	65.8
105°	0.6	38.6	66.4	64.5	61.3
107.5°	0.6	37.9	63.9	62.0	58.8
110°	0.6	36.7	62.0	60.1	57.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	36.0	60.7	59.4	56.3
115°	0.6	34.8	58.8	58.2	56.3
117.5°	0.6	33.5	57.5	57.5	55.6
120°	0.6	32.2	55.6	56.9	55.0
122.5°	0.6	31.0	53.7	55.6	53.7
125°	0.6	29.7	51.9	54.4	53.1
127.5°	1.3	27.8	49.3	53.1	51.9
130°	0.6	25.9	46.8	51.9	51.2
132.5°	1.3	24.0	44.3	50.0	50.0
135°	1.3	22.1	41.1	48.1	48.1
137.5°	1.3	19.6	37.9	45.5	46.2
140°	1.3	17.7	34.8	43.0	44.3
142.5°	1.3	15.8	31.6	40.5	42.4
145°	1.3	13.9	28.5	37.3	39.8
147.5°	1.3	12.6	25.3	33.5	37.3
150°	1.3	10.7	22.8	30.4	34.1
152.5°	1.3	9.5	20.2	27.2	31.6
155°	1.3	8.9	17.7	23.4	28.5
157.5°	1.3	7.6	15.2	20.2	25.3
160°	1.3	6.3	12.6	17.7	21.5
162.5°	1.3	5.7	10.7	14.5	19.0
165°	1.3	5.1	8.9	11.4	15.2
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)