

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-L940-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-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

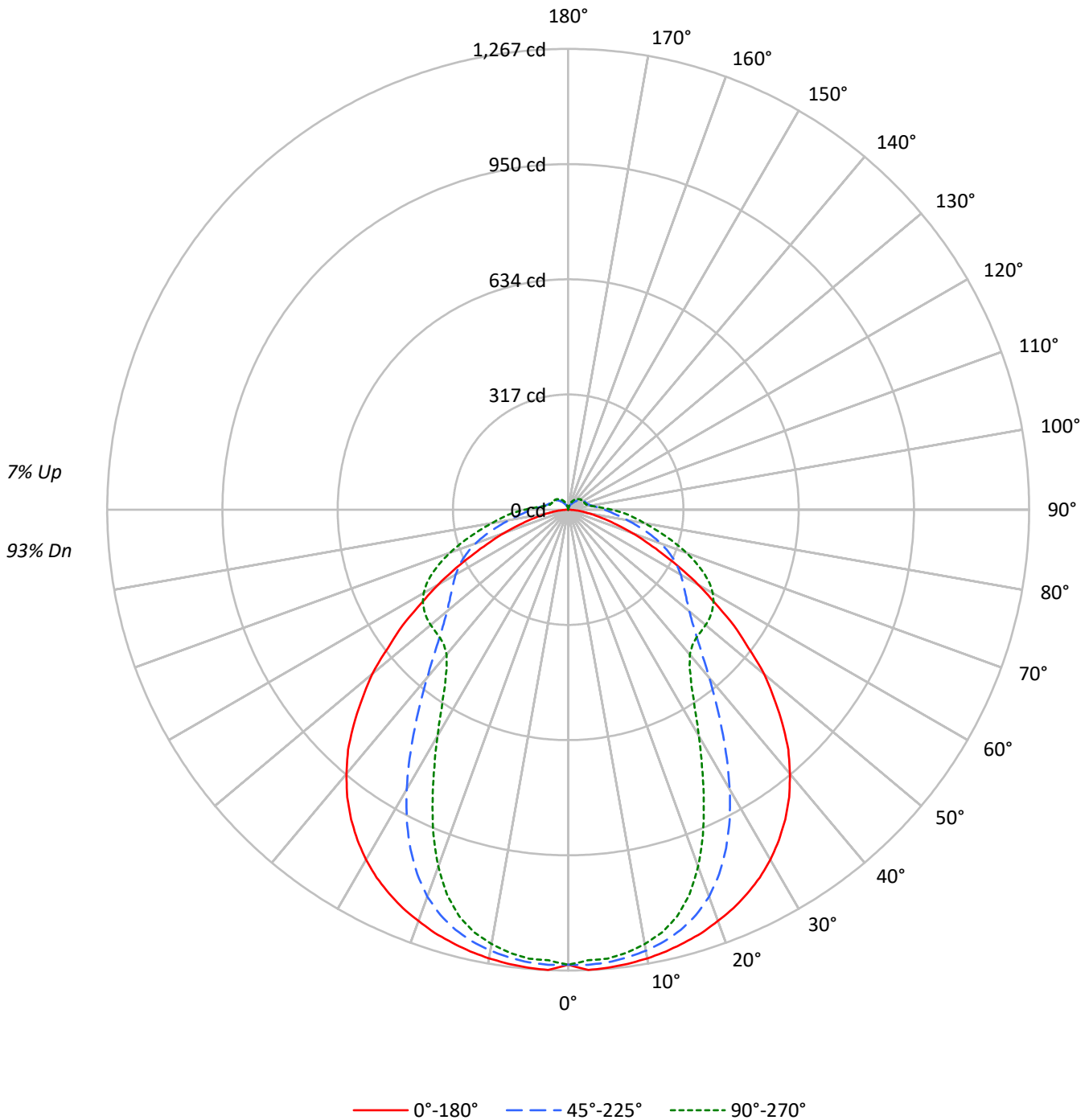
Lumens per Lamp: N/A
Luminaire Lumens: 3146.0 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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°	20219	20219	20219
5°	20395	19734	19462
10°	20333	19155	18662
15°	20283	18480	17598
20°	20232	17496	15804
25°	20178	16004	13383
30°	20017	14056	11007
35°	19659	11936	9224
40°	19008	10088	8338
45°	17917	8749	8276
50°	16462	7978	8566
55°	14401	7647	8866
60°	12052	7516	8989
65°	9587	7322	8708
70°	7586	6912	8030
75°	5590	6220	7126
80°	3958	5545	6339
85°	2412	5176	5832



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	3.8
10°-20°	334.5	10.6
20°-30°	467.6	14.9
30°-40°	485.0	15.4
40°-50°	448.1	14.2
50°-60°	400.1	12.7
60°-70°	324.2	10.3
70°-80°	215.6	6.9
80°-90°	123.5	3.9
90°-100°	68.3	2.2
100°-110°	46.3	1.5
110°-120°	38.5	1.2
120°-130°	31.3	1.0
130°-140°	22.6	0.7
140°-150°	13.6	0.4
150°-160°	6.5	0.2
160°-170°	1.7	0.1
170°-180°	0.0	0.0
0°-30°	920.5	29.3
0°-40°	1405.5	44.7
0°-60°	2253.7	71.6
0°-90°	2917.1	92.7
90°-120°	153.1	4.9
90°-150°	220.6	7.0
90°-180°	229.0	7.3
0°-180°	3146.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1251	1251	1251	1251	1251	
5°	1264	1243	1249	1241	1239	120
15°	1232	1206	1196	1169	1158	348
25°	1164	1113	1027	919	882	537
35°	1040	926	736	618	590	649
45°	833	660	501	483	498	640
55°	557	421	391	455	483	495
65°	284	254	319	390	411	287
75°	110	138	215	263	274	121
85°	22	64	127	162	166	26
90°	1	45	100	121	120	2
95°	1	38	79	85	82	1
105°	0	33	57	56	53	1
115°	0	30	51	50	48	0
125°	0	26	45	47	46	1
135°	1	19	35	41	41	1
145°	1	12	24	32	34	1
155°	1	8	15	20	24	1
165°	1	4	8	10	13	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°	1251.0	1251.0	1251.0	1251.0	1251.0
2.5°	1266.7	1246.1	1252.6	1247.2	1240.1
5°	1264.0	1242.8	1249.3	1240.6	1239.0
7.5°	1259.1	1237.9	1241.7	1231.4	1228.7
10°	1252.6	1230.3	1230.9	1216.2	1212.4
12.5°	1243.9	1219.4	1216.2	1196.1	1190.6
15°	1232.5	1206.4	1196.1	1168.9	1157.5
17.5°	1220.0	1189.5	1168.3	1126.5	1108.5
20°	1203.1	1168.9	1131.9	1068.3	1044.4
22.5°	1186.3	1143.9	1084.6	999.8	967.7
25°	1164.5	1112.9	1027.0	919.3	881.8
27.5°	1140.1	1076.5	960.7	836.7	796.5
30°	1111.3	1032.4	887.8	755.7	717.6
32.5°	1077.5	982.9	811.1	682.8	647.5
35°	1040.0	925.9	736.1	618.1	590.4
37.5°	997.1	863.3	666.5	566.0	548.0
40°	948.2	795.4	602.4	525.7	519.7
42.5°	895.4	729.1	547.5	499.6	505.1
45°	832.9	660.0	501.3	483.3	498.0
47.5°	767.1	592.6	463.7	474.1	495.3
50°	703.5	530.1	434.4	468.1	493.1
52.5°	624.7	474.1	411.0	462.7	489.8
55°	556.7	420.8	391.4	455.0	483.3
57.5°	478.4	373.0	374.0	445.3	473.5
60°	413.2	329.5	357.2	431.7	458.9
62.5°	346.9	290.3	338.7	413.7	438.2
65°	284.3	254.4	318.6	390.4	411.0
67.5°	232.1	221.8	295.8	362.1	379.5
70°	188.1	191.9	270.7	330.5	345.2
72.5°	144.6	164.2	243.6	296.8	309.3
75°	110.4	138.1	214.7	263.1	274.0
77.5°	81.5	115.3	188.7	232.7	241.9
80°	57.6	95.1	164.2	206.0	213.1
82.5°	38.6	78.3	144.1	182.1	188.7
85°	22.3	64.2	126.7	162.0	166.4
87.5°	9.2	53.3	112.5	141.4	143.5
90°	1.1	45.1	100.0	120.7	119.6
92.5°	1.1	40.8	89.2	101.1	98.4
95°	1.1	38.1	79.4	84.8	82.1
97.5°	1.1	36.4	70.7	72.9	70.1
100°	0.5	35.3	64.7	64.7	62.0
102.5°	0.5	34.3	60.3	58.7	56.5
105°	0.5	33.2	57.1	55.5	52.7
107.5°	0.5	32.6	54.9	53.3	50.6
110°	0.5	31.5	53.3	51.6	49.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	31.0	52.2	51.1	48.4
115°	0.5	29.9	50.6	50.0	48.4
117.5°	0.5	28.8	49.5	49.5	47.8
120°	0.5	27.7	47.8	48.9	47.3
122.5°	0.5	26.6	46.2	47.8	46.2
125°	0.5	25.6	44.6	46.8	45.7
127.5°	1.1	23.9	42.4	45.7	44.6
130°	0.5	22.3	40.2	44.6	44.0
132.5°	1.1	20.7	38.1	42.9	42.9
135°	1.1	19.0	35.3	41.3	41.3
137.5°	1.1	16.9	32.6	39.1	39.7
140°	1.1	15.2	29.9	37.0	38.1
142.5°	1.1	13.6	27.2	34.8	36.4
145°	1.1	12.0	24.5	32.1	34.3
147.5°	1.1	10.9	21.7	28.8	32.1
150°	1.1	9.2	19.6	26.1	29.4
152.5°	1.1	8.2	17.4	23.4	27.2
155°	1.1	7.6	15.2	20.1	24.5
157.5°	1.1	6.5	13.0	17.4	21.7
160°	1.1	5.4	10.9	15.2	18.5
162.5°	1.1	4.9	9.2	12.5	16.3
165°	1.1	4.3	7.6	9.8	13.0
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)