

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: **8SNLED-LD5-136SL-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: 8SNLED-LD5-136SL-SLN-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

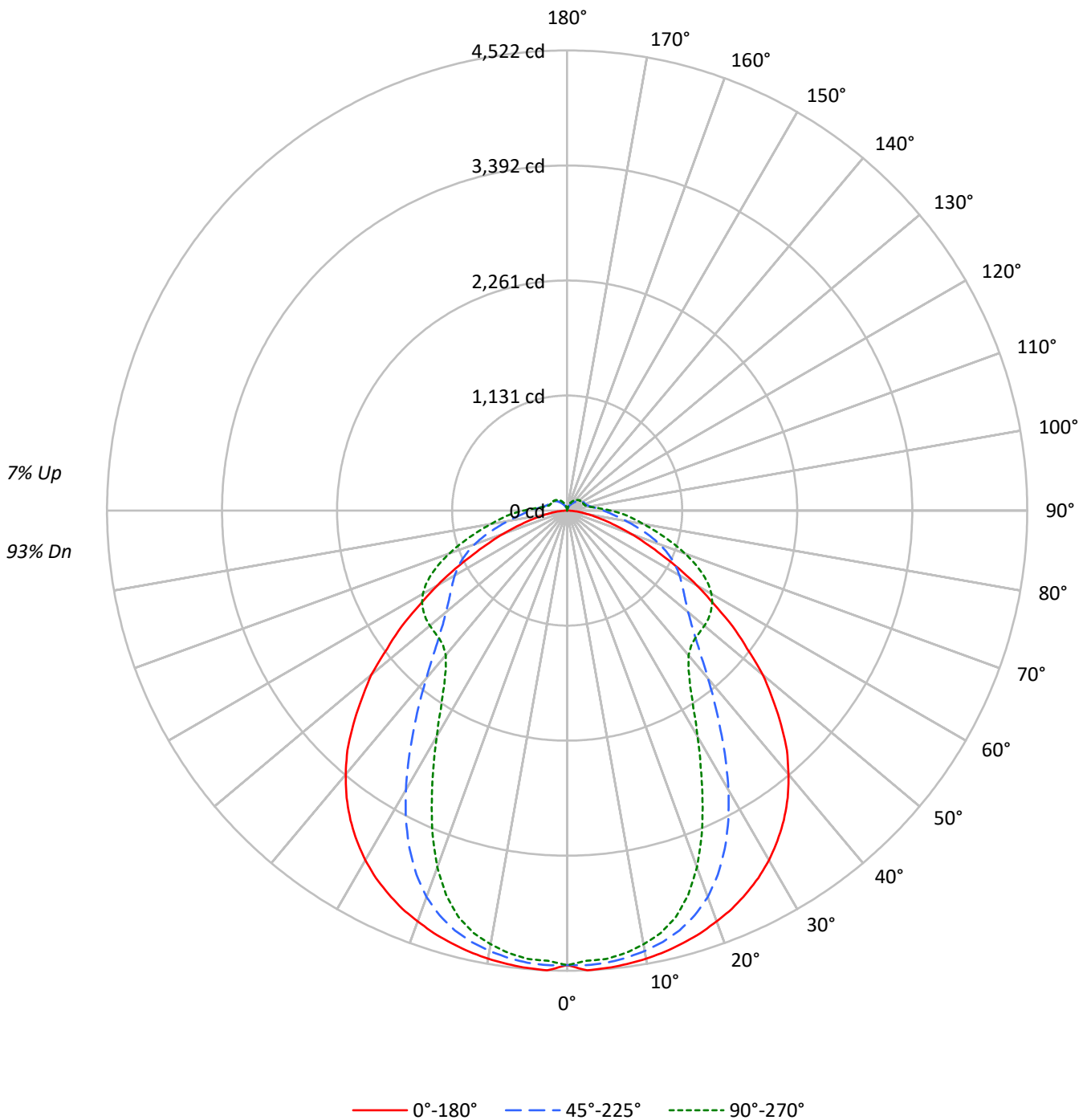
Lumens per Lamp: N/A
Luminaire Lumens: 11231.0 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 110
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°	18045	18045	18045
5°	18277	17663	17370
10°	18296	17190	16655
15°	18328	16629	15705
20°	18364	15786	14104
25°	18400	14478	11944
30°	18343	12752	9824
35°	18115	10860	8233
40°	17622	9207	7443
45°	16729	8011	7386
50°	15498	7332	7645
55°	13694	7057	7913
60°	11605	6968	8022
65°	9390	6826	7772
70°	7606	6489	7167
75°	5812	5890	6360
80°	4397	5311	5658
85°	3131	5039	5204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.5	3.8
10°-20°	1194.2	10.6
20°-30°	1669.4	14.9
30°-40°	1731.6	15.4
40°-50°	1599.7	14.2
50°-60°	1428.2	12.7
60°-70°	1157.5	10.3
70°-80°	769.9	6.9
80°-90°	440.9	3.9
90°-100°	243.9	2.2
100°-110°	165.2	1.5
110°-120°	137.5	1.2
120°-130°	111.8	1.0
130°-140°	80.6	0.7
140°-150°	48.6	0.4
150°-160°	23.4	0.2
160°-170°	6.0	0.1
170°-180°	0.0	0.0
0°-30°	3286.1	29.3
0°-40°	5017.7	44.7
0°-60°	8045.7	71.6
0°-90°	10413.9	92.7
90°-120°	546.6	4.9
90°-150°	787.7	7.0
90°-180°	817.0	7.3
0°-180°	11231.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4466	4466	4466	4466	4466	
5°	4512	4437	4460	4429	4423	429
15°	4400	4307	4270	4173	4132	1243
25°	4157	3973	3666	3282	3148	1916
35°	3713	3305	2628	2207	2108	2316
45°	2973	2356	1790	1725	1778	2286
55°	1987	1502	1397	1624	1725	1767
65°	1015	908	1137	1394	1467	1026
75°	394	493	767	939	978	432
85°	80	229	452	578	594	92
90°	4	161	357	431	427	6
95°	4	136	283	303	293	3
105°	2	118	204	198	188	2
115°	2	107	180	179	173	2
125°	2	91	159	167	163	2
135°	4	68	126	148	148	3
145°	4	43	87	114	122	2
155°	4	27	54	72	87	2
165°	4	16	27	35	47	1
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°	4465.9	4465.9	4465.9	4465.9	4465.9
2.5°	4522.2	4448.4	4471.7	4452.3	4427.1
5°	4512.5	4436.8	4460.1	4429.0	4423.2
7.5°	4495.0	4419.3	4432.9	4396.0	4386.3
10°	4471.7	4392.1	4394.1	4341.7	4328.1
12.5°	4440.7	4353.3	4341.7	4269.9	4250.5
15°	4399.9	4306.7	4269.9	4172.8	4132.1
17.5°	4355.3	4246.6	4170.9	4021.4	3957.4
20°	4295.1	4172.8	4040.8	3813.8	3728.4
22.5°	4234.9	4083.5	3872.0	3569.2	3454.7
25°	4157.3	3972.9	3666.3	3282.0	3148.1
27.5°	4070.0	3842.9	3429.5	2987.0	2843.3
30°	3967.1	3685.7	3169.4	2697.8	2561.9
32.5°	3846.8	3509.1	2895.7	2437.7	2311.6
35°	3712.8	3305.3	2627.9	2206.7	2107.8
37.5°	3559.5	3082.1	2379.5	2020.4	1956.4
40°	3384.8	2839.5	2150.5	1876.8	1855.5
42.5°	3196.6	2602.7	1954.4	1783.6	1803.0
45°	2973.4	2356.2	1789.5	1725.4	1777.8
47.5°	2738.5	2115.5	1655.5	1692.4	1768.1
50°	2511.5	1892.3	1550.7	1671.1	1760.4
52.5°	2230.0	1692.4	1467.3	1651.7	1748.7
55°	1987.4	1502.2	1397.4	1624.5	1725.4
57.5°	1707.9	1331.4	1335.3	1589.6	1690.5
60°	1475.0	1176.2	1275.1	1541.0	1638.1
62.5°	1238.3	1036.4	1209.1	1477.0	1564.3
65°	1015.1	908.3	1137.3	1393.5	1467.3
67.5°	828.7	791.9	1055.8	1292.6	1354.7
70°	671.5	685.1	966.5	1180.0	1232.4
72.5°	516.3	586.1	869.5	1059.7	1104.3
75°	394.0	493.0	766.6	939.4	978.2
77.5°	291.1	411.5	673.5	830.7	863.7
80°	205.7	339.6	586.1	735.6	760.8
82.5°	137.8	279.5	514.3	650.2	673.5
85°	79.6	229.0	452.2	578.4	593.9
87.5°	33.0	190.2	401.8	504.6	512.4
90°	3.9	161.1	357.1	430.9	427.0
92.5°	3.9	145.6	318.3	361.0	351.3
95°	3.9	135.9	283.4	302.8	293.1
97.5°	3.9	130.0	252.3	260.1	250.4
100°	1.9	126.2	231.0	231.0	221.3
102.5°	1.9	122.3	215.4	209.6	201.8
105°	1.9	118.4	203.8	198.0	188.3
107.5°	1.9	116.5	196.0	190.2	180.5
110°	1.9	112.6	190.2	184.4	176.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	110.6	186.3	182.4	172.7
115°	1.9	106.7	180.5	178.6	172.7
117.5°	1.9	102.9	176.6	176.6	170.8
120°	1.9	99.0	170.8	174.7	168.9
122.5°	1.9	95.1	165.0	170.8	165.0
125°	1.9	91.2	159.1	166.9	163.0
127.5°	3.9	85.4	151.4	163.0	159.1
130°	1.9	79.6	143.6	159.1	157.2
132.5°	3.9	73.8	135.9	153.3	153.3
135°	3.9	67.9	126.2	147.5	147.5
137.5°	3.9	60.2	116.5	139.7	141.7
140°	3.9	54.3	106.7	132.0	135.9
142.5°	3.9	48.5	97.0	124.2	130.0
145°	3.9	42.7	87.3	114.5	122.3
147.5°	3.9	38.8	77.6	102.9	114.5
150°	3.9	33.0	69.9	93.2	104.8
152.5°	3.9	29.1	62.1	83.5	97.0
155°	3.9	27.2	54.3	71.8	87.3
157.5°	3.9	23.3	46.6	62.1	77.6
160°	3.9	19.4	38.8	54.3	66.0
162.5°	3.9	17.5	33.0	44.6	58.2
165°	3.9	15.5	27.2	34.9	46.6
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)