

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-LD5-106SL-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: 8SNLED-LD5-106SL-SLN-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

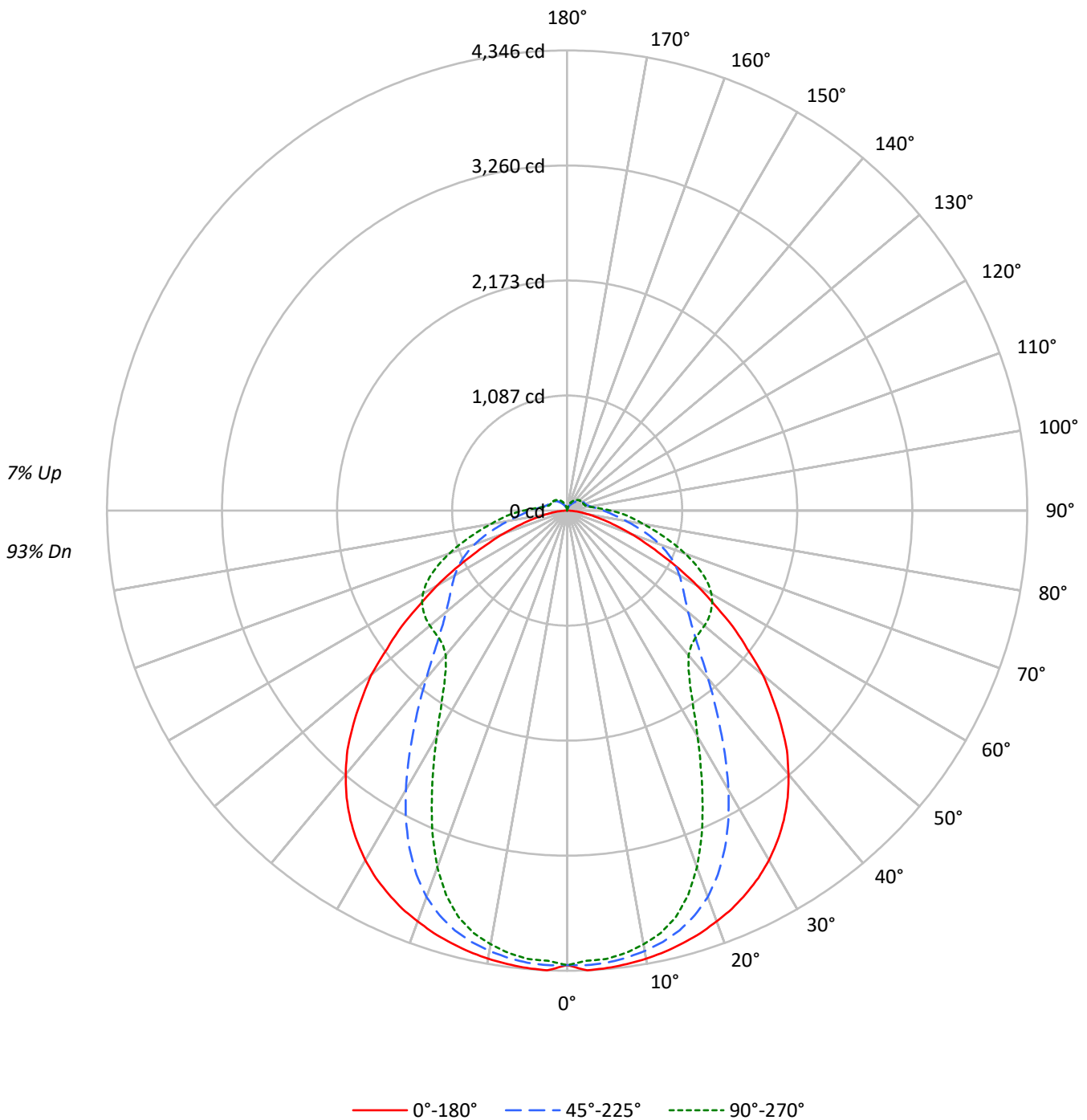
Lumens per Lamp: N/A
Luminaire Lumens: 10794.0 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 82
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°	17342	17342	17342
5°	17566	16975	16694
10°	17584	16521	16007
15°	17615	15982	15094
20°	17649	15172	13556
25°	17684	13915	11479
30°	17629	12256	9441
35°	17411	10438	7912
40°	16936	8849	7153
45°	16078	7699	7099
50°	14895	7047	7348
55°	13162	6783	7605
60°	11155	6696	7709
65°	9025	6561	7470
70°	7311	6236	6889
75°	5586	5661	6113
80°	4226	5104	5438
85°	3009	4843	5002



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.1	3.8
10°-20°	1147.7	10.6
20°-30°	1604.4	14.9
30°-40°	1664.2	15.4
40°-50°	1537.5	14.2
50°-60°	1372.7	12.7
60°-70°	1112.4	10.3
70°-80°	739.9	6.9
80°-90°	423.7	3.9
90°-100°	234.4	2.2
100°-110°	158.8	1.5
110°-120°	132.2	1.2
120°-130°	107.5	1.0
130°-140°	77.5	0.7
140°-150°	46.7	0.4
150°-160°	22.5	0.2
160°-170°	5.8	0.1
170°-180°	0.0	0.0
0°-30°	3158.3	29.3
0°-40°	4822.5	44.7
0°-60°	7732.6	71.6
0°-90°	10008.7	92.7
90°-120°	525.3	4.9
90°-150°	757.0	7.0
90°-180°	785.0	7.3
0°-180°	10794.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4292	4292	4292	4292	4292	
5°	4337	4264	4286	4257	4251	413
15°	4229	4139	4104	4010	3971	1195
25°	3996	3818	3524	3154	3026	1841
35°	3568	3177	2526	2121	2026	2226
45°	2858	2264	1720	1658	1709	2197
55°	1910	1444	1343	1561	1658	1698
65°	976	873	1093	1339	1410	986
75°	379	474	737	903	940	415
85°	76	220	435	556	571	88
90°	4	155	343	414	410	6
95°	4	131	272	291	282	3
105°	2	114	196	190	181	2
115°	2	103	174	172	166	2
125°	2	88	153	160	157	2
135°	4	65	121	142	142	3
145°	4	41	84	110	118	2
155°	4	26	52	69	84	2
165°	4	15	26	34	45	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-106SL-SLN-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4292.1	4292.1	4292.1	4292.1	4292.1
2.5°	4346.2	4275.3	4297.7	4279.1	4254.8
5°	4336.9	4264.1	4286.5	4256.7	4251.1
7.5°	4320.1	4247.4	4260.4	4225.0	4215.6
10°	4297.7	4221.2	4223.1	4172.7	4159.7
12.5°	4267.9	4183.9	4172.7	4103.7	4085.1
15°	4228.7	4139.2	4103.7	4010.5	3971.3
17.5°	4185.8	4081.3	4008.6	3865.0	3803.4
20°	4128.0	4010.5	3883.6	3665.4	3583.3
22.5°	4070.2	3924.7	3721.3	3430.3	3320.3
25°	3995.5	3818.3	3523.6	3154.3	3025.6
27.5°	3911.6	3693.4	3296.0	2870.7	2732.7
30°	3812.7	3542.3	3046.1	2592.8	2462.2
32.5°	3697.1	3372.5	2783.1	2342.9	2221.6
35°	3568.4	3176.7	2525.7	2120.9	2025.7
37.5°	3421.0	2962.1	2286.9	1941.8	1880.3
40°	3253.1	2729.0	2066.8	1803.8	1783.3
42.5°	3072.2	2501.4	1878.4	1714.2	1732.9
45°	2857.7	2264.5	1719.8	1658.3	1708.6
47.5°	2632.0	2033.2	1591.1	1626.6	1699.3
50°	2413.7	1818.7	1490.4	1606.0	1691.9
52.5°	2143.3	1626.6	1410.2	1587.4	1680.7
55°	1910.1	1443.8	1343.0	1561.3	1658.3
57.5°	1641.5	1279.6	1283.3	1527.7	1624.7
60°	1417.7	1130.4	1225.5	1481.1	1574.3
62.5°	1190.1	996.1	1162.1	1419.5	1503.5
65°	975.6	873.0	1093.1	1339.3	1410.2
67.5°	796.5	761.1	1014.7	1242.3	1302.0
70°	645.4	658.5	928.9	1134.1	1184.5
72.5°	496.2	563.3	835.7	1018.5	1061.4
75°	378.7	473.8	736.8	902.8	940.1
77.5°	279.8	395.5	647.3	798.4	830.1
80°	197.7	326.4	563.3	707.0	731.2
82.5°	132.4	268.6	494.3	624.9	647.3
85°	76.5	220.1	434.6	555.9	570.8
87.5°	31.7	182.8	386.1	485.0	492.4
90°	3.7	154.8	343.2	414.1	410.4
92.5°	3.7	139.9	305.9	347.0	337.6
95°	3.7	130.6	272.3	291.0	281.7
97.5°	3.7	125.0	242.5	250.0	240.6
100°	1.9	121.2	222.0	222.0	212.6
102.5°	1.9	117.5	207.1	201.5	194.0
105°	1.9	113.8	195.9	190.3	180.9
107.5°	1.9	111.9	188.4	182.8	173.5
110°	1.9	108.2	182.8	177.2	169.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	106.3	179.1	175.3	166.0
115°	1.9	102.6	173.5	171.6	166.0
117.5°	1.9	98.9	169.7	169.7	164.1
120°	1.9	95.1	164.1	167.9	162.3
122.5°	1.9	91.4	158.6	164.1	158.6
125°	1.9	87.7	153.0	160.4	156.7
127.5°	3.7	82.1	145.5	156.7	153.0
130°	1.9	76.5	138.0	153.0	151.1
132.5°	3.7	70.9	130.6	147.4	147.4
135°	3.7	65.3	121.2	141.8	141.8
137.5°	3.7	57.8	111.9	134.3	136.2
140°	3.7	52.2	102.6	126.8	130.6
142.5°	3.7	46.6	93.3	119.4	125.0
145°	3.7	41.0	83.9	110.1	117.5
147.5°	3.7	37.3	74.6	98.9	110.1
150°	3.7	31.7	67.2	89.5	100.7
152.5°	3.7	28.0	59.7	80.2	93.3
155°	3.7	26.1	52.2	69.0	83.9
157.5°	3.7	22.4	44.8	59.7	74.6
160°	3.7	18.7	37.3	52.2	63.4
162.5°	3.7	16.8	31.7	42.9	56.0
165°	3.7	14.9	26.1	33.6	44.8
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)