

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-LD5-128SL-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-LD5-128SL-SLN-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

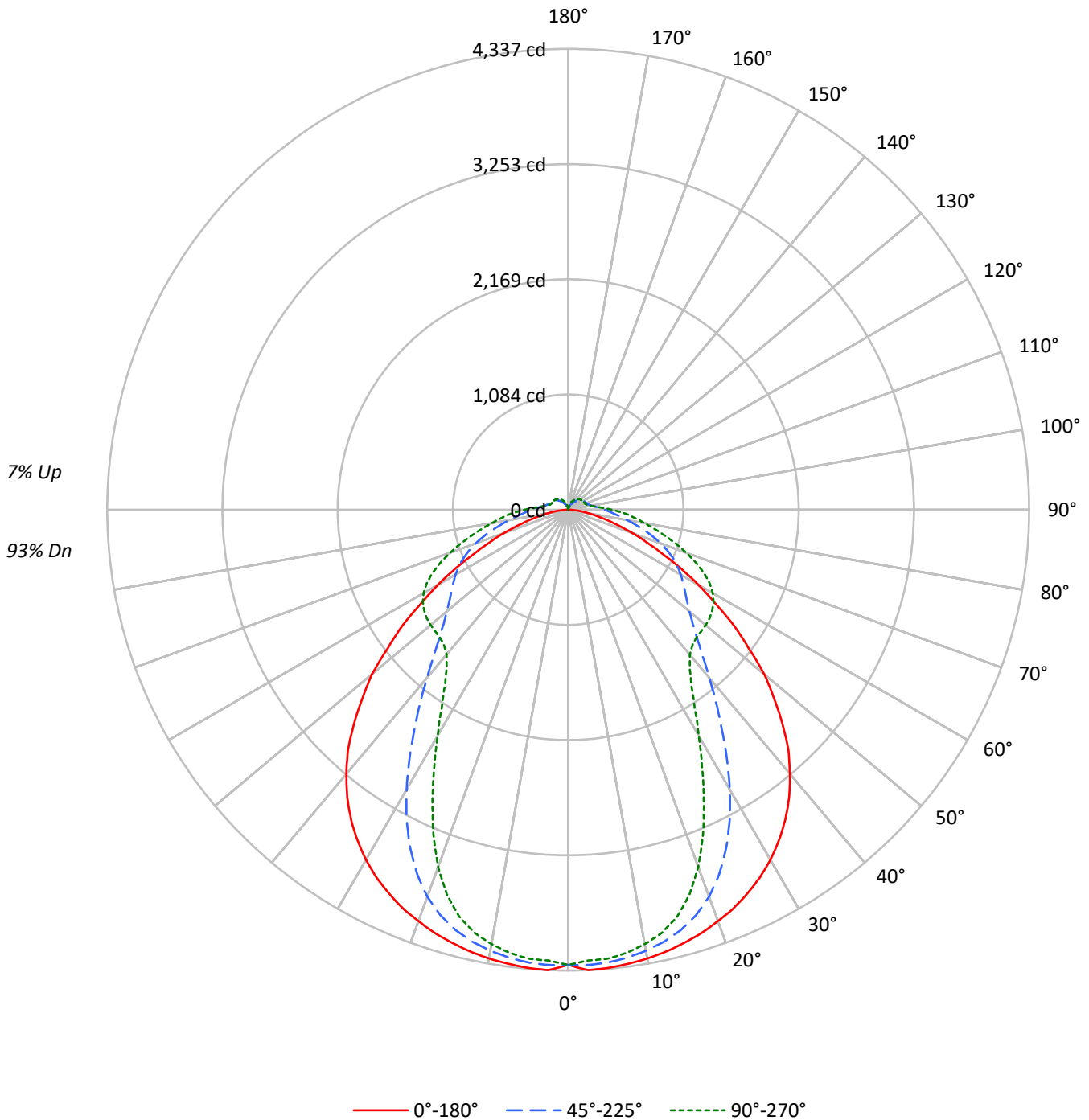
Lumens per Lamp: N/A
Luminaire Lumens: 10772.0 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 103
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°	17307	17307	17307
5°	17531	16941	16660
10°	17549	16488	15974
15°	17579	15950	15063
20°	17613	15141	13528
25°	17648	13887	11456
30°	17594	12231	9422
35°	17375	10416	7896
40°	16902	8831	7138
45°	16045	7683	7084
50°	14865	7032	7333
55°	13135	6769	7589
60°	11132	6683	7694
65°	9006	6548	7454
70°	7296	6224	6875
75°	5574	5650	6100
80°	4217	5094	5427
85°	3001	4833	4991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.2	3.8
10°-20°	1145.4	10.6
20°-30°	1601.2	14.9
30°-40°	1660.8	15.4
40°-50°	1534.3	14.2
50°-60°	1369.9	12.7
60°-70°	1110.2	10.3
70°-80°	738.4	6.9
80°-90°	422.8	3.9
90°-100°	233.9	2.2
100°-110°	158.4	1.5
110°-120°	131.9	1.2
120°-130°	107.2	1.0
130°-140°	77.3	0.7
140°-150°	46.6	0.4
150°-160°	22.4	0.2
160°-170°	5.8	0.1
170°-180°	0.0	0.0
0°-30°	3151.8	29.3
0°-40°	4812.7	44.7
0°-60°	7716.9	71.6
0°-90°	9988.3	92.7
90°-120°	524.3	4.9
90°-150°	755.5	7.0
90°-180°	784.0	7.3
0°-180°	10772.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4283	4283	4283	4283	4283	
5°	4328	4256	4278	4248	4242	412
15°	4220	4131	4095	4002	3963	1192
25°	3987	3810	3516	3148	3019	1837
35°	3561	3170	2520	2117	2022	2222
45°	2852	2260	1716	1655	1705	2193
55°	1906	1441	1340	1558	1655	1695
65°	974	871	1091	1337	1407	984
75°	378	473	735	901	938	414
85°	76	220	434	555	570	88
90°	4	154	342	413	410	6
95°	4	130	272	290	281	3
105°	2	114	196	190	181	2
115°	2	102	173	171	166	2
125°	2	88	153	160	156	2
135°	4	65	121	142	142	3
145°	4	41	84	110	117	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	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-128SL-SLN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4283.4	4283.4	4283.4	4283.4	4283.4
2.5°	4337.4	4266.6	4289.0	4270.3	4246.1
5°	4328.1	4255.5	4277.8	4248.0	4242.4
7.5°	4311.3	4238.7	4251.7	4216.4	4207.1
10°	4289.0	4212.6	4214.5	4164.2	4151.2
12.5°	4259.2	4175.4	4164.2	4095.4	4076.7
15°	4220.1	4130.7	4095.4	4002.3	3963.2
17.5°	4177.3	4073.0	4000.4	3857.1	3795.7
20°	4119.6	4002.3	3875.7	3657.9	3576.0
22.5°	4061.9	3916.7	3713.8	3423.4	3313.5
25°	3987.4	3810.5	3516.4	3147.8	3019.4
27.5°	3903.6	3685.8	3289.3	2864.9	2727.1
30°	3805.0	3535.0	3039.9	2587.5	2457.2
32.5°	3689.6	3365.6	2777.4	2338.1	2217.1
35°	3561.1	3170.2	2520.5	2116.6	2021.6
37.5°	3414.0	2956.1	2282.2	1937.9	1876.4
40°	3246.5	2723.4	2062.6	1800.1	1779.6
42.5°	3065.9	2496.3	1874.6	1710.7	1729.4
45°	2851.9	2259.9	1716.3	1654.9	1705.2
47.5°	2626.6	2029.1	1587.9	1623.3	1695.9
50°	2408.8	1815.0	1487.4	1602.8	1688.4
52.5°	2138.9	1623.3	1407.3	1584.2	1677.2
55°	1906.2	1440.8	1340.3	1558.1	1654.9
57.5°	1638.1	1277.0	1280.7	1524.6	1621.4
60°	1414.8	1128.1	1223.0	1478.1	1571.1
62.5°	1187.7	994.1	1159.7	1416.6	1500.4
65°	973.6	871.2	1090.9	1336.6	1407.3
67.5°	794.9	759.5	1012.7	1239.8	1299.3
70°	644.1	657.1	927.0	1131.8	1182.1
72.5°	495.2	562.2	834.0	1016.4	1059.2
75°	377.9	472.8	735.3	901.0	938.2
77.5°	279.2	394.6	646.0	796.7	828.4
80°	197.3	325.8	562.2	705.5	729.7
82.5°	132.2	268.1	493.3	623.6	646.0
85°	76.3	219.7	433.7	554.7	569.6
87.5°	31.6	182.4	385.3	484.0	491.4
90°	3.7	154.5	342.5	413.3	409.5
92.5°	3.7	139.6	305.3	346.2	336.9
95°	3.7	130.3	271.8	290.4	281.1
97.5°	3.7	124.7	242.0	249.4	240.1
100°	1.9	121.0	221.5	221.5	212.2
102.5°	1.9	117.3	206.6	201.0	193.6
105°	1.9	113.6	195.5	189.9	180.6
107.5°	1.9	111.7	188.0	182.4	173.1
110°	1.9	108.0	182.4	176.8	169.4



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CATALOG NUMBER: 8SNLED-LD5-128SL-SLN-UNV-L940-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	106.1	178.7	175.0	165.7
115°	1.9	102.4	173.1	171.3	165.7
117.5°	1.9	98.7	169.4	169.4	163.8
120°	1.9	94.9	163.8	167.5	162.0
122.5°	1.9	91.2	158.2	163.8	158.2
125°	1.9	87.5	152.6	160.1	156.4
127.5°	3.7	81.9	145.2	156.4	152.6
130°	1.9	76.3	137.8	152.6	150.8
132.5°	3.7	70.7	130.3	147.1	147.1
135°	3.7	65.2	121.0	141.5	141.5
137.5°	3.7	57.7	111.7	134.0	135.9
140°	3.7	52.1	102.4	126.6	130.3
142.5°	3.7	46.5	93.1	119.1	124.7
145°	3.7	41.0	83.8	109.8	117.3
147.5°	3.7	37.2	74.5	98.7	109.8
150°	3.7	31.6	67.0	89.4	100.5
152.5°	3.7	27.9	59.6	80.0	93.1
155°	3.7	26.1	52.1	68.9	83.8
157.5°	3.7	22.3	44.7	59.6	74.5
160°	3.7	18.6	37.2	52.1	63.3
162.5°	3.7	16.8	31.6	42.8	55.8
165°	3.7	14.9	26.1	33.5	44.7
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)