

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-LD5-127SL-SLC-UNV-L930-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-127SL-SLC-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

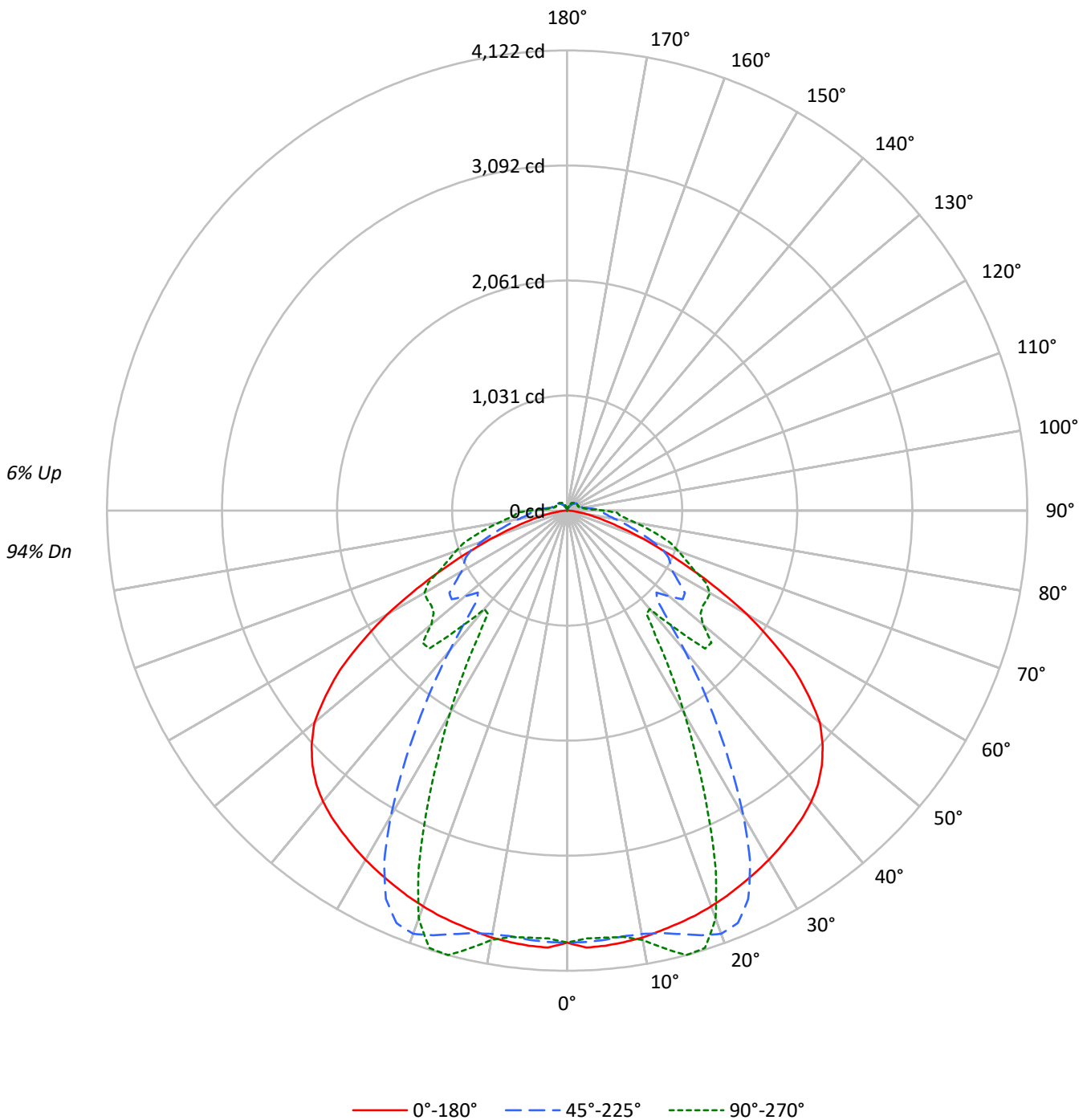
Lumens per Lamp: N/A
Luminaire Lumens: 9941.0 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15636	15636	15636
5°	15848	15285	15083
10°	15890	15066	15030
15°	15956	15292	15666
20°	16128	15761	14705
25°	16355	15161	11323
30°	16706	12710	8054
35°	17152	9635	5453
40°	17713	7011	4618
45°	18159	5092	7260
50°	18236	5645	6889
55°	17105	6506	6804
60°	14638	5963	7232
65°	11078	6025	6615
70°	7840	5498	6157
75°	5206	4620	5525
80°	3405	3974	4599
85°	1955	3799	4128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.2	3.7
10°-20°	1111.9	11.2
20°-30°	1615.2	16.2
30°-40°	1543.2	15.5
40°-50°	1411.6	14.2
50°-60°	1303.4	13.1
60°-70°	1035.3	10.4
70°-80°	639.0	6.4
80°-90°	348.0	3.5
90°-100°	175.9	1.8
100°-110°	110.5	1.1
110°-120°	93.6	0.9
120°-130°	76.5	0.8
130°-140°	54.8	0.6
140°-150°	33.8	0.3
150°-160°	16.1	0.2
160°-170°	4.2	0.0
170°-180°	0.0	0.0
0°-30°	3095.2	31.1
0°-40°	4638.4	46.7
0°-60°	7353.4	74.0
0°-90°	9375.6	94.3
90°-120°	380.0	3.8
90°-150°	545.1	5.5
90°-180°	565.0	5.7
0°-180°	9941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3870	3870	3870	3870	3870	
5°	3913	3853	3860	3839	3841	372
15°	3830	3779	3926	4072	4122	1084
25°	3695	3767	3839	3250	2984	1708
35°	3515	3459	2332	1605	1396	2204
45°	3228	2251	1138	1451	1747	2480
55°	2482	1155	1288	1386	1484	2186
65°	1198	749	1004	1220	1249	1211
75°	353	399	601	797	850	400
85°	50	170	341	464	471	63
90°	2	127	305	362	334	3
95°	0	118	211	187	176	0
105°	0	106	130	118	116	0
115°	0	87	125	111	106	1
125°	2	70	111	108	103	1
135°	2	50	89	98	94	1
145°	2	31	62	79	84	1
155°	3	19	38	50	60	1
165°	3	10	19	24	32	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3869.9	3869.9	3869.9	3869.9	3869.9
2.5°	3917.9	3861.4	3868.2	3856.2	3835.7
5°	3912.8	3852.8	3859.7	3839.1	3840.8
7.5°	3899.1	3837.4	3846.0	3842.5	3851.1
10°	3883.6	3818.5	3851.1	3880.2	3905.9
12.5°	3856.2	3798.0	3876.8	3962.4	4015.6
15°	3830.5	3779.1	3926.5	4072.1	4121.8
17.5°	3804.8	3772.3	3988.1	4114.9	4108.1
20°	3772.3	3768.9	4034.4	3991.6	3887.1
22.5°	3736.3	3770.6	3998.4	3684.9	3479.3
25°	3695.2	3767.1	3839.1	3249.8	2984.3
27.5°	3654.1	3751.7	3549.6	2773.5	2511.4
30°	3613.0	3710.6	3159.0	2338.4	2100.3
32.5°	3565.0	3621.5	2734.1	1953.0	1733.7
35°	3515.3	3458.8	2331.6	1605.2	1396.2
37.5°	3463.9	3224.1	1970.1	1300.3	1166.6
40°	3402.3	2929.4	1637.7	1115.2	1151.2
42.5°	3325.2	2597.1	1344.8	1170.1	1420.2
45°	3227.5	2251.0	1137.5	1451.0	1747.4
47.5°	3104.2	1918.7	1086.1	1661.7	1754.2
50°	2955.1	1613.8	1194.0	1593.2	1586.3
52.5°	2729.0	1360.2	1303.7	1452.7	1507.5
55°	2482.3	1154.6	1288.3	1385.9	1483.6
57.5°	2170.5	1015.9	1182.1	1372.2	1485.3
60°	1860.4	923.4	1091.3	1370.5	1476.7
62.5°	1517.8	839.4	1045.0	1337.9	1401.3
65°	1197.5	748.6	1003.9	1219.7	1248.9
67.5°	918.2	656.1	931.9	1087.8	1146.1
70°	692.1	565.3	818.9	986.8	1058.7
72.5°	498.5	479.7	702.4	897.7	973.1
75°	352.9	399.2	601.3	796.6	849.7
77.5°	243.3	325.5	515.6	685.2	728.1
80°	159.3	260.4	438.6	589.3	618.4
82.5°	95.9	209.0	380.3	515.6	531.1
85°	49.7	169.6	340.9	464.3	471.1
87.5°	15.4	142.2	318.6	440.3	448.8
90°	1.7	126.8	304.9	361.5	334.1
92.5°	0.0	119.9	263.8	246.7	221.0
95°	0.0	118.2	210.7	186.7	176.5
97.5°	0.0	114.8	173.0	155.9	150.8
100°	0.0	111.4	149.0	137.0	135.3
102.5°	0.0	109.6	135.3	125.1	123.3
105°	0.0	106.2	130.2	118.2	116.5
107.5°	0.0	101.1	126.8	114.8	111.4
110°	0.0	95.9	126.8	113.1	107.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	90.8	126.8	111.4	106.2
115°	0.0	87.4	125.1	111.4	106.2
117.5°	1.7	83.9	123.3	111.4	106.2
120°	0.0	80.5	119.9	111.4	104.5
122.5°	1.7	75.4	116.5	109.6	104.5
125°	1.7	70.2	111.4	107.9	102.8
127.5°	1.7	65.1	106.2	104.5	99.4
130°	1.7	60.0	101.1	102.8	97.6
132.5°	1.7	54.8	94.2	99.4	95.9
135°	1.7	49.7	89.1	97.6	94.2
137.5°	1.7	44.5	82.2	92.5	92.5
140°	1.7	39.4	75.4	89.1	90.8
142.5°	1.7	36.0	68.5	85.7	87.4
145°	1.7	30.8	61.7	78.8	83.9
147.5°	1.7	27.4	54.8	72.0	78.8
150°	1.7	24.0	48.0	65.1	72.0
152.5°	1.7	20.6	42.8	56.5	66.8
155°	3.4	18.8	37.7	49.7	60.0
157.5°	3.4	15.4	30.8	42.8	51.4
160°	3.4	13.7	27.4	36.0	46.3
162.5°	3.4	12.0	22.3	30.8	39.4
165°	3.4	10.3	18.8	24.0	32.5
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)