

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-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 (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-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

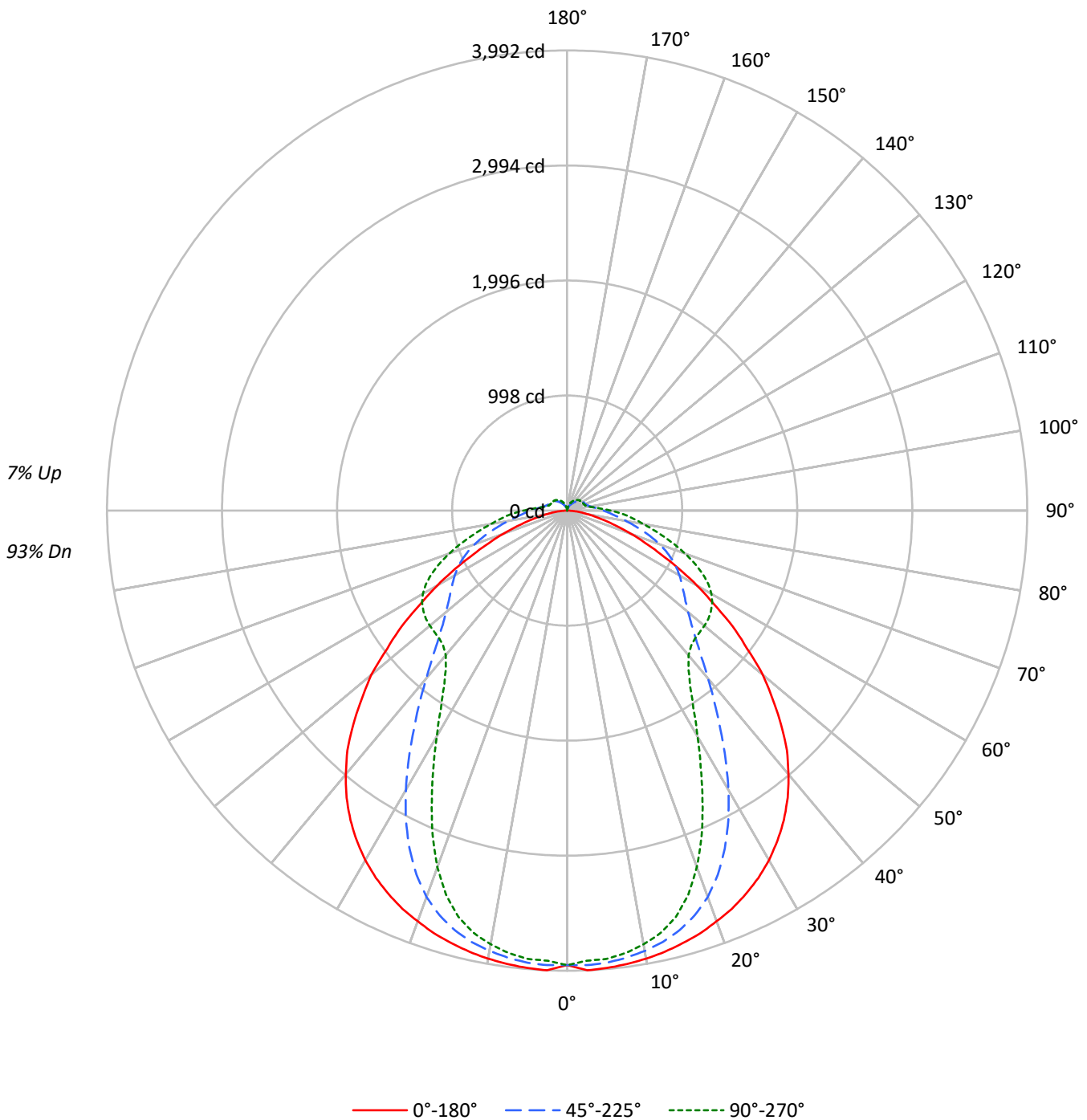
Lumens per Lamp: N/A
Luminaire Lumens: 9914.0 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	15928	15928	15928
5°	16134	15592	15333
10°	16151	15174	14702
15°	16179	14679	13863
20°	16210	13935	12451
25°	16242	12780	10543
30°	16192	11256	8672
35°	15991	9586	7267
40°	15556	8127	6570
45°	14767	7071	6520
50°	13681	6472	6749
55°	12089	6230	6985
60°	10245	6151	7081
65°	8289	6026	6860
70°	6715	5728	6327
75°	5130	5199	5615
80°	3882	4688	4994
85°	2761	4449	4594



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.0	3.8
10°-20°	1054.2	10.6
20°-30°	1473.6	14.9
30°-40°	1528.6	15.4
40°-50°	1412.1	14.2
50°-60°	1260.8	12.7
60°-70°	1021.8	10.3
70°-80°	679.6	6.9
80°-90°	389.2	3.9
90°-100°	215.3	2.2
100°-110°	145.8	1.5
110°-120°	121.4	1.2
120°-130°	98.7	1.0
130°-140°	71.2	0.7
140°-150°	42.9	0.4
150°-160°	20.6	0.2
160°-170°	5.3	0.1
170°-180°	0.0	0.0
0°-30°	2900.8	29.3
0°-40°	4429.3	44.7
0°-60°	7102.2	71.6
0°-90°	9192.7	92.7
90°-120°	482.5	4.9
90°-150°	695.3	7.0
90°-180°	721.0	7.3
0°-180°	9914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3942	3942	3942	3942	3942	
5°	3983	3916	3937	3910	3904	379
15°	3884	3802	3769	3684	3648	1097
25°	3670	3507	3236	2897	2779	1691
35°	3278	2918	2320	1948	1861	2045
45°	2625	2080	1580	1523	1569	2018
55°	1754	1326	1234	1434	1523	1560
65°	896	802	1004	1230	1295	906
75°	348	435	677	829	864	381
85°	70	202	399	511	524	81
90°	3	142	315	380	377	5
95°	3	120	250	267	259	3
105°	2	104	180	175	166	2
115°	2	94	159	158	152	2
125°	2	80	140	147	144	2
135°	3	60	111	130	130	2
145°	3	38	77	101	108	2
155°	3	24	48	63	77	2
165°	3	14	24	31	41	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3942.2	3942.2	3942.2	3942.2	3942.2
2.5°	3991.9	3926.8	3947.3	3930.2	3907.9
5°	3983.3	3916.5	3937.1	3909.7	3904.5
7.5°	3967.9	3901.1	3913.1	3880.5	3872.0
10°	3947.3	3877.1	3878.8	3832.6	3820.6
12.5°	3919.9	3842.8	3832.6	3769.2	3752.0
15°	3884.0	3801.7	3769.2	3683.5	3647.5
17.5°	3844.5	3748.6	3681.8	3549.9	3493.3
20°	3791.4	3683.5	3567.0	3366.5	3291.2
22.5°	3738.3	3604.7	3417.9	3150.7	3049.6
25°	3669.8	3507.0	3236.3	2897.1	2778.9
27.5°	3592.7	3392.2	3027.3	2636.7	2509.9
30°	3501.9	3253.5	2797.7	2381.4	2261.5
32.5°	3395.7	3097.6	2556.2	2151.9	2040.5
35°	3277.5	2917.7	2319.7	1948.0	1860.6
37.5°	3142.1	2720.7	2100.5	1783.5	1727.0
40°	2987.9	2506.5	1898.3	1656.7	1637.9
42.5°	2821.7	2297.5	1725.2	1574.5	1591.6
45°	2624.7	2079.9	1579.6	1523.1	1569.3
47.5°	2417.4	1867.4	1461.4	1494.0	1560.8
50°	2217.0	1670.4	1368.9	1475.1	1553.9
52.5°	1968.5	1494.0	1295.2	1458.0	1543.6
55°	1754.4	1326.1	1233.5	1434.0	1523.1
57.5°	1507.7	1175.3	1178.7	1403.2	1492.2
60°	1302.1	1038.2	1125.6	1360.3	1446.0
62.5°	1093.1	914.9	1067.4	1303.8	1380.9
65°	896.0	801.8	1004.0	1230.1	1295.2
67.5°	731.6	699.0	932.0	1141.0	1195.9
70°	592.8	604.8	853.2	1041.7	1087.9
72.5°	455.7	517.4	767.5	935.4	974.8
75°	347.8	435.2	676.7	829.2	863.5
77.5°	257.0	363.2	594.5	733.3	762.4
80°	181.6	299.8	517.4	649.3	671.6
82.5°	121.6	246.7	454.0	573.9	594.5
85°	70.2	202.2	399.2	510.6	524.3
87.5°	29.1	167.9	354.6	445.4	452.3
90°	3.4	142.2	315.2	380.3	376.9
92.5°	3.4	128.5	281.0	318.7	310.1
95°	3.4	119.9	250.1	267.3	258.7
97.5°	3.4	114.8	222.7	229.6	221.0
100°	1.7	111.4	203.9	203.9	195.3
102.5°	1.7	107.9	190.2	185.0	178.2
105°	1.7	104.5	179.9	174.8	166.2
107.5°	1.7	102.8	173.0	167.9	159.3
110°	1.7	99.4	167.9	162.8	155.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	97.7	164.5	161.0	152.5
115°	1.7	94.2	159.3	157.6	152.5
117.5°	1.7	90.8	155.9	155.9	150.8
120°	1.7	87.4	150.8	154.2	149.1
122.5°	1.7	83.9	145.6	150.8	145.6
125°	1.7	80.5	140.5	147.3	143.9
127.5°	3.4	75.4	133.6	143.9	140.5
130°	1.7	70.2	126.8	140.5	138.8
132.5°	3.4	65.1	119.9	135.3	135.3
135°	3.4	60.0	111.4	130.2	130.2
137.5°	3.4	53.1	102.8	123.4	125.1
140°	3.4	48.0	94.2	116.5	119.9
142.5°	3.4	42.8	85.7	109.6	114.8
145°	3.4	37.7	77.1	101.1	107.9
147.5°	3.4	34.3	68.5	90.8	101.1
150°	3.4	29.1	61.7	82.2	92.5
152.5°	3.4	25.7	54.8	73.7	85.7
155°	3.4	24.0	48.0	63.4	77.1
157.5°	3.4	20.6	41.1	54.8	68.5
160°	3.4	17.1	34.3	48.0	58.3
162.5°	3.4	15.4	29.1	39.4	51.4
165°	3.4	13.7	24.0	30.8	41.1
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)