

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-LD5-98SL-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-LD5-98SL-SLN-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

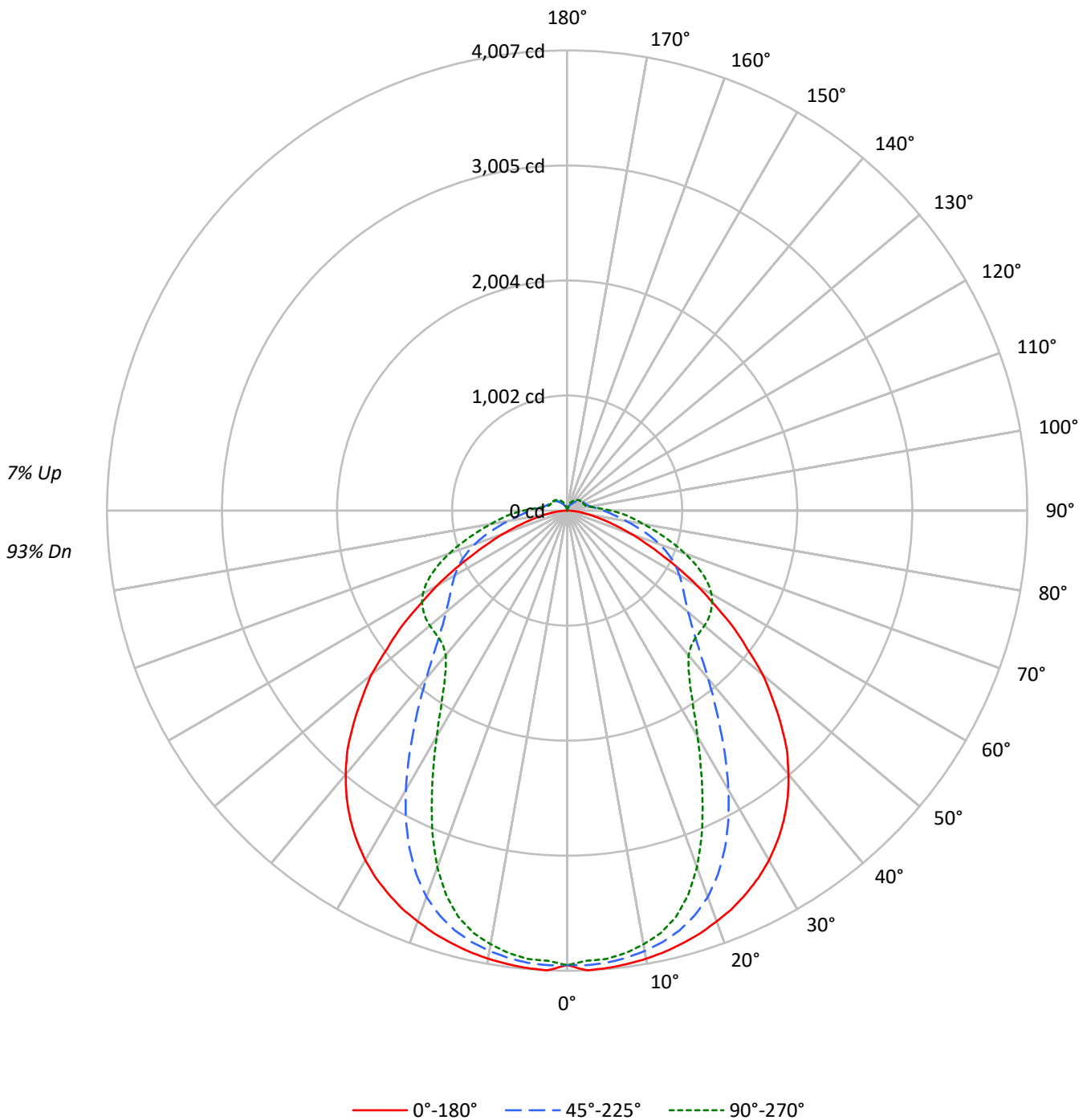
Lumens per Lamp: N/A
Luminaire Lumens: 9952.0 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 75
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°	15990	15990	15990
5°	16196	15651	15392
10°	16213	15233	14758
15°	16241	14735	13916
20°	16273	13989	12498
25°	16305	12829	10584
30°	16254	11300	8705
35°	16052	9623	7295
40°	15616	8158	6595
45°	14824	7098	6545
50°	13734	6497	6775
55°	12135	6254	7011
60°	10284	6174	7108
65°	8321	6049	6887
70°	6741	5750	6351
75°	5150	5219	5636
80°	3897	4706	5014
85°	2773	4465	4612



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.4	3.8
10°-20°	1058.2	10.6
20°-30°	1479.3	14.9
30°-40°	1534.4	15.4
40°-50°	1417.5	14.2
50°-60°	1265.6	12.7
60°-70°	1025.7	10.3
70°-80°	682.2	6.9
80°-90°	390.7	3.9
90°-100°	216.1	2.2
100°-110°	146.4	1.5
110°-120°	121.9	1.2
120°-130°	99.1	1.0
130°-140°	71.5	0.7
140°-150°	43.1	0.4
150°-160°	20.7	0.2
160°-170°	5.4	0.1
170°-180°	0.0	0.0
0°-30°	2911.9	29.3
0°-40°	4446.3	44.7
0°-60°	7129.5	71.6
0°-90°	9228.0	92.7
90°-120°	484.3	4.9
90°-150°	697.9	7.0
90°-180°	724.0	7.3
0°-180°	9952.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3957	3957	3957	3957	3957	
5°	3999	3932	3952	3925	3920	380
15°	3899	3816	3784	3698	3662	1102
25°	3684	3520	3249	2908	2790	1698
35°	3290	2929	2329	1955	1868	2053
45°	2635	2088	1586	1529	1575	2026
55°	1761	1331	1238	1440	1529	1566
65°	900	805	1008	1235	1300	909
75°	349	437	679	832	867	383
85°	70	203	401	512	526	81
90°	3	143	316	382	378	5
95°	3	120	251	268	260	3
105°	2	105	181	175	167	2
115°	2	95	160	158	153	2
125°	2	81	141	148	144	2
135°	3	60	112	131	131	2
145°	3	38	77	102	108	2
155°	3	24	48	64	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°	3957.3	3957.3	3957.3	3957.3	3957.3
2.5°	4007.2	3941.8	3962.5	3945.3	3922.9
5°	3998.6	3931.5	3952.2	3924.6	3919.5
7.5°	3983.1	3916.0	3928.1	3895.4	3886.8
10°	3962.5	3892.0	3893.7	3847.2	3835.2
12.5°	3935.0	3857.6	3847.2	3783.6	3766.4
15°	3898.8	3816.3	3783.6	3697.6	3661.5
17.5°	3859.3	3763.0	3695.9	3563.5	3506.7
20°	3806.0	3697.6	3580.7	3379.5	3303.8
22.5°	3752.7	3618.5	3431.0	3162.8	3061.3
25°	3683.9	3520.5	3248.7	2908.2	2789.6
27.5°	3606.5	3405.3	3038.9	2646.8	2519.5
30°	3515.3	3265.9	2808.5	2390.6	2270.2
32.5°	3408.7	3109.4	2566.0	2160.1	2048.3
35°	3290.0	2928.9	2328.6	1955.4	1867.7
37.5°	3154.2	2731.1	2108.5	1790.3	1733.6
40°	2999.4	2516.1	1905.6	1663.1	1644.2
42.5°	2832.5	2306.3	1731.9	1580.5	1597.7
45°	2634.8	2087.9	1585.7	1528.9	1575.4
47.5°	2426.7	1874.6	1467.0	1499.7	1566.8
50°	2225.5	1676.8	1374.1	1480.8	1559.9
52.5°	1976.1	1499.7	1300.2	1463.6	1549.6
55°	1761.1	1331.1	1238.3	1439.5	1528.9
57.5°	1513.4	1179.8	1183.2	1408.5	1498.0
60°	1307.1	1042.2	1129.9	1365.5	1451.5
62.5°	1097.2	918.4	1071.4	1308.8	1386.2
65°	899.5	804.9	1007.8	1234.8	1300.2
67.5°	734.4	701.7	935.6	1145.4	1200.4
70°	595.1	607.1	856.5	1045.7	1092.1
72.5°	457.5	519.4	770.5	939.0	978.6
75°	349.1	436.8	679.3	832.4	866.8
77.5°	258.0	364.6	596.8	736.1	765.3
80°	182.3	301.0	519.4	651.8	674.2
82.5°	122.1	247.7	455.8	576.1	596.8
85°	70.5	202.9	400.7	512.5	526.3
87.5°	29.2	168.5	356.0	447.2	454.0
90°	3.4	142.7	316.4	381.8	378.4
92.5°	3.4	129.0	282.1	319.9	311.3
95°	3.4	120.4	251.1	268.3	259.7
97.5°	3.4	115.2	223.6	230.5	221.9
100°	1.7	111.8	204.7	204.7	196.1
102.5°	1.7	108.3	190.9	185.7	178.9
105°	1.7	104.9	180.6	175.4	166.8
107.5°	1.7	103.2	173.7	168.5	159.9
110°	1.7	99.7	168.5	163.4	156.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	98.0	165.1	161.7	153.1
115°	1.7	94.6	159.9	158.2	153.1
117.5°	1.7	91.2	156.5	156.5	151.3
120°	1.7	87.7	151.3	154.8	149.6
122.5°	1.7	84.3	146.2	151.3	146.2
125°	1.7	80.8	141.0	147.9	144.5
127.5°	3.4	75.7	134.1	144.5	141.0
130°	1.7	70.5	127.3	141.0	139.3
132.5°	3.4	65.4	120.4	135.9	135.9
135°	3.4	60.2	111.8	130.7	130.7
137.5°	3.4	53.3	103.2	123.8	125.5
140°	3.4	48.2	94.6	116.9	120.4
142.5°	3.4	43.0	86.0	110.1	115.2
145°	3.4	37.8	77.4	101.5	108.3
147.5°	3.4	34.4	68.8	91.2	101.5
150°	3.4	29.2	61.9	82.6	92.9
152.5°	3.4	25.8	55.0	74.0	86.0
155°	3.4	24.1	48.2	63.6	77.4
157.5°	3.4	20.6	41.3	55.0	68.8
160°	3.4	17.2	34.4	48.2	58.5
162.5°	3.4	15.5	29.2	39.6	51.6
165°	3.4	13.8	24.1	31.0	41.3
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)