

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-L950-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-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

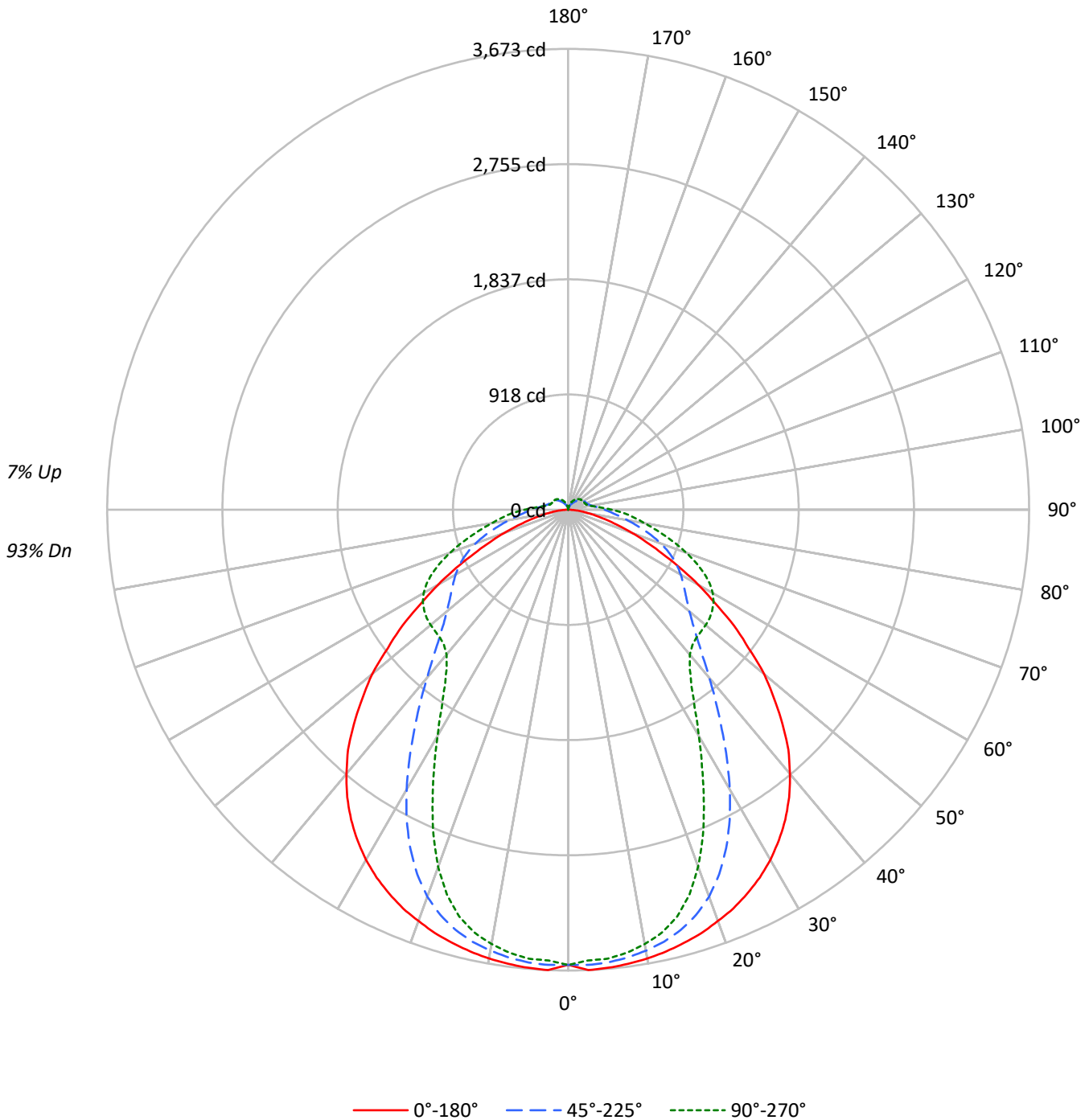
Lumens per Lamp: N/A
Luminaire Lumens: 9122.1 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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	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°	14656	14656	14656
5°	14845	14346	14108
10°	14861	13962	13527
15°	14887	13507	12756
20°	14915	12822	11456
25°	14945	11760	9701
30°	14899	10357	7979
35°	14714	8820	6687
40°	14313	7478	6045
45°	13587	6506	5999
50°	12588	5955	6210
55°	11123	5732	6427
60°	9427	5659	6516
65°	7627	5545	6313
70°	6178	5270	5822
75°	4720	4784	5166
80°	3572	4314	4595
85°	2541	4093	4227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.2	3.8
10°-20°	970.0	10.6
20°-30°	1355.9	14.9
30°-40°	1406.4	15.4
40°-50°	1299.3	14.2
50°-60°	1160.0	12.7
60°-70°	940.1	10.3
70°-80°	625.3	6.9
80°-90°	358.1	3.9
90°-100°	198.1	2.2
100°-110°	134.2	1.5
110°-120°	111.7	1.2
120°-130°	90.8	1.0
130°-140°	65.5	0.7
140°-150°	39.5	0.4
150°-160°	19.0	0.2
160°-170°	4.9	0.1
170°-180°	0.0	0.0
0°-30°	2669.1	29.3
0°-40°	4075.5	44.7
0°-60°	6534.9	71.6
0°-90°	8458.4	92.7
90°-120°	444.0	4.9
90°-150°	639.8	7.0
90°-180°	664.0	7.3
0°-180°	9122.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3627	3627	3627	3627	3627	
5°	3665	3604	3622	3597	3593	349
15°	3574	3498	3468	3389	3356	1010
25°	3377	3227	2978	2666	2557	1556
35°	3016	2685	2134	1792	1712	1881
45°	2415	1914	1453	1401	1444	1857
55°	1614	1220	1135	1319	1401	1435
65°	824	738	924	1132	1192	833
75°	320	400	623	763	794	351
85°	65	186	367	470	482	74
90°	3	131	290	350	347	5
95°	3	110	230	246	238	2
105°	2	96	166	161	153	2
115°	2	87	147	145	140	2
125°	2	74	129	136	132	2
135°	3	55	102	120	120	2
145°	3	35	71	93	99	2
155°	3	22	44	58	71	1
165°	3	13	22	28	38	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°	3627.3	3627.3	3627.3	3627.3	3627.3
2.5°	3673.0	3613.1	3632.0	3616.2	3595.7
5°	3665.1	3603.6	3622.5	3597.3	3592.6
7.5°	3650.9	3589.4	3600.5	3570.5	3562.6
10°	3632.0	3567.4	3568.9	3526.4	3515.3
12.5°	3606.8	3535.8	3526.4	3468.1	3452.3
15°	3573.7	3498.0	3468.1	3389.2	3356.1
17.5°	3537.4	3449.1	3387.7	3266.3	3214.3
20°	3488.5	3389.2	3282.0	3097.6	3028.2
22.5°	3439.7	3316.7	3144.9	2899.0	2806.0
25°	3376.6	3226.9	2977.8	2665.7	2556.9
27.5°	3305.7	3121.3	2785.5	2426.1	2309.4
30°	3222.1	2993.6	2574.2	2191.2	2080.8
32.5°	3124.4	2850.1	2352.0	1979.9	1877.5
35°	3015.6	2684.6	2134.4	1792.4	1712.0
37.5°	2891.1	2503.3	1932.7	1641.0	1589.0
40°	2749.2	2306.3	1746.6	1524.4	1507.0
42.5°	2596.3	2113.9	1587.4	1448.7	1464.5
45°	2415.0	1913.7	1453.4	1401.4	1444.0
47.5°	2224.3	1718.3	1344.7	1374.6	1436.1
50°	2039.8	1537.0	1259.5	1357.3	1429.8
52.5°	1811.3	1374.6	1191.8	1341.5	1420.3
55°	1614.2	1220.1	1135.0	1319.4	1401.4
57.5°	1387.2	1081.4	1084.6	1291.1	1373.0
60°	1198.1	955.3	1035.7	1251.7	1330.5
62.5°	1005.7	841.8	982.1	1199.6	1270.6
65°	824.5	737.8	923.8	1131.8	1191.8
67.5°	673.1	643.2	857.6	1049.9	1100.3
70°	545.4	556.5	785.0	958.4	1001.0
72.5°	419.3	476.1	706.2	860.7	897.0
75°	320.0	400.4	622.7	763.0	794.5
77.5°	236.5	334.2	547.0	674.7	701.5
80°	167.1	275.9	476.1	597.5	617.9
82.5°	111.9	227.0	417.7	528.1	547.0
85°	64.6	186.0	367.3	469.8	482.4
87.5°	26.8	154.5	326.3	409.9	416.2
90°	3.2	130.8	290.1	350.0	346.8
92.5°	3.2	118.2	258.5	293.2	285.3
95°	3.2	110.3	230.2	245.9	238.0
97.5°	3.2	105.6	204.9	211.2	203.4
100°	1.6	102.5	187.6	187.6	179.7
102.5°	1.6	99.3	175.0	170.3	163.9
105°	1.6	96.2	165.5	160.8	152.9
107.5°	1.6	94.6	159.2	154.5	146.6
110°	1.6	91.4	154.5	149.8	143.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	89.9	151.3	148.2	140.3
115°	1.6	86.7	146.6	145.0	140.3
117.5°	1.6	83.5	143.5	143.5	138.7
120°	1.6	80.4	138.7	141.9	137.1
122.5°	1.6	77.2	134.0	138.7	134.0
125°	1.6	74.1	129.3	135.6	132.4
127.5°	3.2	69.4	123.0	132.4	129.3
130°	1.6	64.6	116.7	129.3	127.7
132.5°	3.2	59.9	110.3	124.5	124.5
135°	3.2	55.2	102.5	119.8	119.8
137.5°	3.2	48.9	94.6	113.5	115.1
140°	3.2	44.1	86.7	107.2	110.3
142.5°	3.2	39.4	78.8	100.9	105.6
145°	3.2	34.7	70.9	93.0	99.3
147.5°	3.2	31.5	63.1	83.5	93.0
150°	3.2	26.8	56.8	75.7	85.1
152.5°	3.2	23.6	50.4	67.8	78.8
155°	3.2	22.1	44.1	58.3	70.9
157.5°	3.2	18.9	37.8	50.4	63.1
160°	3.2	15.8	31.5	44.1	53.6
162.5°	3.2	14.2	26.8	36.3	47.3
165°	3.2	12.6	22.1	28.4	37.8
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)