

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-LD5-60SL-SLN-UNV-L830-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-LD5-60SL-SLN-UNV-L830-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

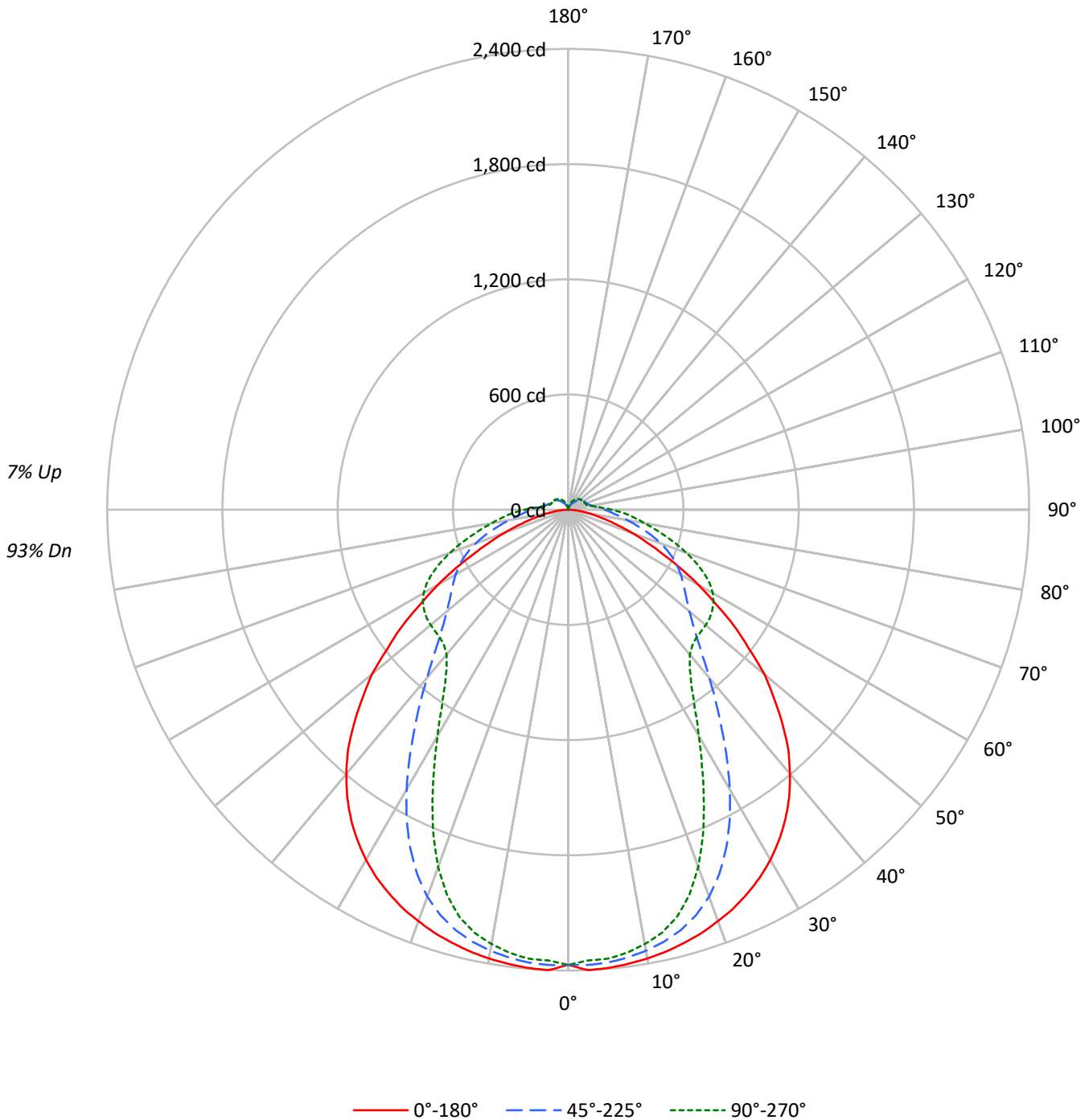
Lumens per Lamp: N/A
Luminaire Lumens: 5961.0 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 42
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°	9577	9577	9577
5°	9701	9374	9219
10°	9711	9124	8840
15°	9728	8826	8335
20°	9747	8379	7486
25°	9766	7685	6340
30°	9736	6768	5214
35°	9615	5764	4370
40°	9353	4887	3950
45°	8879	4252	3920
50°	8226	3892	4058
55°	7269	3746	4200
60°	6160	3698	4258
65°	4984	3623	4125
70°	4037	3444	3804
75°	3084	3126	3376
80°	2334	2819	3003
85°	1660	2674	2762



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.3	3.8
10°-20°	633.8	10.6
20°-30°	886.1	14.9
30°-40°	919.1	15.4
40°-50°	849.1	14.2
50°-60°	758.1	12.7
60°-70°	614.4	10.3
70°-80°	408.6	6.9
80°-90°	234.0	3.9
90°-100°	129.5	2.2
100°-110°	87.7	1.5
110°-120°	73.0	1.2
120°-130°	59.3	1.0
130°-140°	42.8	0.7
140°-150°	25.8	0.4
150°-160°	12.4	0.2
160°-170°	3.2	0.1
170°-180°	0.0	0.0
0°-30°	1744.2	29.3
0°-40°	2663.2	44.7
0°-60°	4270.4	71.6
0°-90°	5527.3	92.7
90°-120°	290.1	4.9
90°-150°	418.1	7.0
90°-180°	434.0	7.3
0°-180°	5961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2370	2370	2370	2370	2370	
5°	2395	2355	2367	2351	2348	228
15°	2335	2286	2266	2215	2193	660
25°	2206	2109	1946	1742	1671	1017
35°	1971	1754	1395	1171	1119	1229
45°	1578	1251	950	916	944	1213
55°	1055	797	742	862	916	938
65°	539	482	604	740	779	545
75°	209	262	407	499	519	229
85°	42	122	240	307	315	49
90°	2	86	190	229	227	3
95°	2	72	150	161	156	2
105°	1	63	108	105	100	1
115°	1	57	96	95	92	1
125°	1	48	84	89	86	1
135°	2	36	67	78	78	2
145°	2	23	46	61	65	1
155°	2	14	29	38	46	1
165°	2	8	14	18	25	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2370.3	2370.3	2370.3	2370.3	2370.3
2.5°	2400.2	2361.1	2373.4	2363.1	2349.7
5°	2395.1	2354.9	2367.2	2350.8	2347.7
7.5°	2385.8	2345.6	2352.8	2333.2	2328.1
10°	2373.4	2331.2	2332.2	2304.4	2297.2
12.5°	2356.9	2310.6	2304.4	2266.3	2256.0
15°	2335.3	2285.9	2266.3	2214.8	2193.1
17.5°	2311.6	2253.9	2213.8	2134.4	2100.4
20°	2279.7	2214.8	2144.7	2024.2	1978.9
22.5°	2247.7	2167.4	2055.1	1894.4	1833.6
25°	2206.5	2108.7	1945.9	1742.0	1670.9
27.5°	2160.2	2039.7	1820.2	1585.4	1509.1
30°	2105.6	1956.2	1682.2	1431.9	1359.8
32.5°	2041.7	1862.5	1537.0	1293.8	1226.9
35°	1970.6	1754.3	1394.8	1171.3	1118.7
37.5°	1889.3	1635.8	1262.9	1072.4	1038.4
40°	1796.5	1507.1	1141.4	996.1	984.8
42.5°	1696.6	1381.4	1037.3	946.7	957.0
45°	1578.2	1250.6	949.8	915.8	943.6
47.5°	1453.5	1122.8	878.7	898.3	938.4
50°	1333.0	1004.4	823.1	886.9	934.3
52.5°	1183.6	898.3	778.8	876.6	928.1
55°	1054.9	797.3	741.7	862.2	915.8
57.5°	906.5	706.7	708.7	843.7	897.2
60°	782.9	624.3	676.8	817.9	869.4
62.5°	657.2	550.1	641.8	783.9	830.3
65°	538.8	482.1	603.7	739.6	778.8
67.5°	439.9	420.3	560.4	686.1	719.0
70°	356.4	363.6	513.0	626.3	654.1
72.5°	274.0	311.1	461.5	562.5	586.1
75°	209.1	261.7	406.9	498.6	519.2
77.5°	154.5	218.4	357.5	440.9	458.4
80°	109.2	180.3	311.1	390.4	403.8
82.5°	73.1	148.3	273.0	345.1	357.5
85°	42.2	121.6	240.0	307.0	315.2
87.5°	17.5	101.0	213.2	267.8	272.0
90°	2.1	85.5	189.5	228.7	226.6
92.5°	2.1	77.3	168.9	191.6	186.5
95°	2.1	72.1	150.4	160.7	155.5
97.5°	2.1	69.0	133.9	138.0	132.9
100°	1.0	67.0	122.6	122.6	117.4
102.5°	1.0	64.9	114.3	111.3	107.1
105°	1.0	62.8	108.2	105.1	99.9
107.5°	1.0	61.8	104.0	101.0	95.8
110°	1.0	59.7	101.0	97.9	93.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	58.7	98.9	96.8	91.7
115°	1.0	56.7	95.8	94.8	91.7
117.5°	1.0	54.6	93.7	93.7	90.7
120°	1.0	52.5	90.7	92.7	89.6
122.5°	1.0	50.5	87.6	90.7	87.6
125°	1.0	48.4	84.5	88.6	86.5
127.5°	2.1	45.3	80.4	86.5	84.5
130°	1.0	42.2	76.2	84.5	83.4
132.5°	2.1	39.1	72.1	81.4	81.4
135°	2.1	36.1	67.0	78.3	78.3
137.5°	2.1	31.9	61.8	74.2	75.2
140°	2.1	28.8	56.7	70.0	72.1
142.5°	2.1	25.8	51.5	65.9	69.0
145°	2.1	22.7	46.4	60.8	64.9
147.5°	2.1	20.6	41.2	54.6	60.8
150°	2.1	17.5	37.1	49.4	55.6
152.5°	2.1	15.5	33.0	44.3	51.5
155°	2.1	14.4	28.8	38.1	46.4
157.5°	2.1	12.4	24.7	33.0	41.2
160°	2.1	10.3	20.6	28.8	35.0
162.5°	2.1	9.3	17.5	23.7	30.9
165°	2.1	8.2	14.4	18.5	24.7
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)