

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-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-LD5-60SL-SLC-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

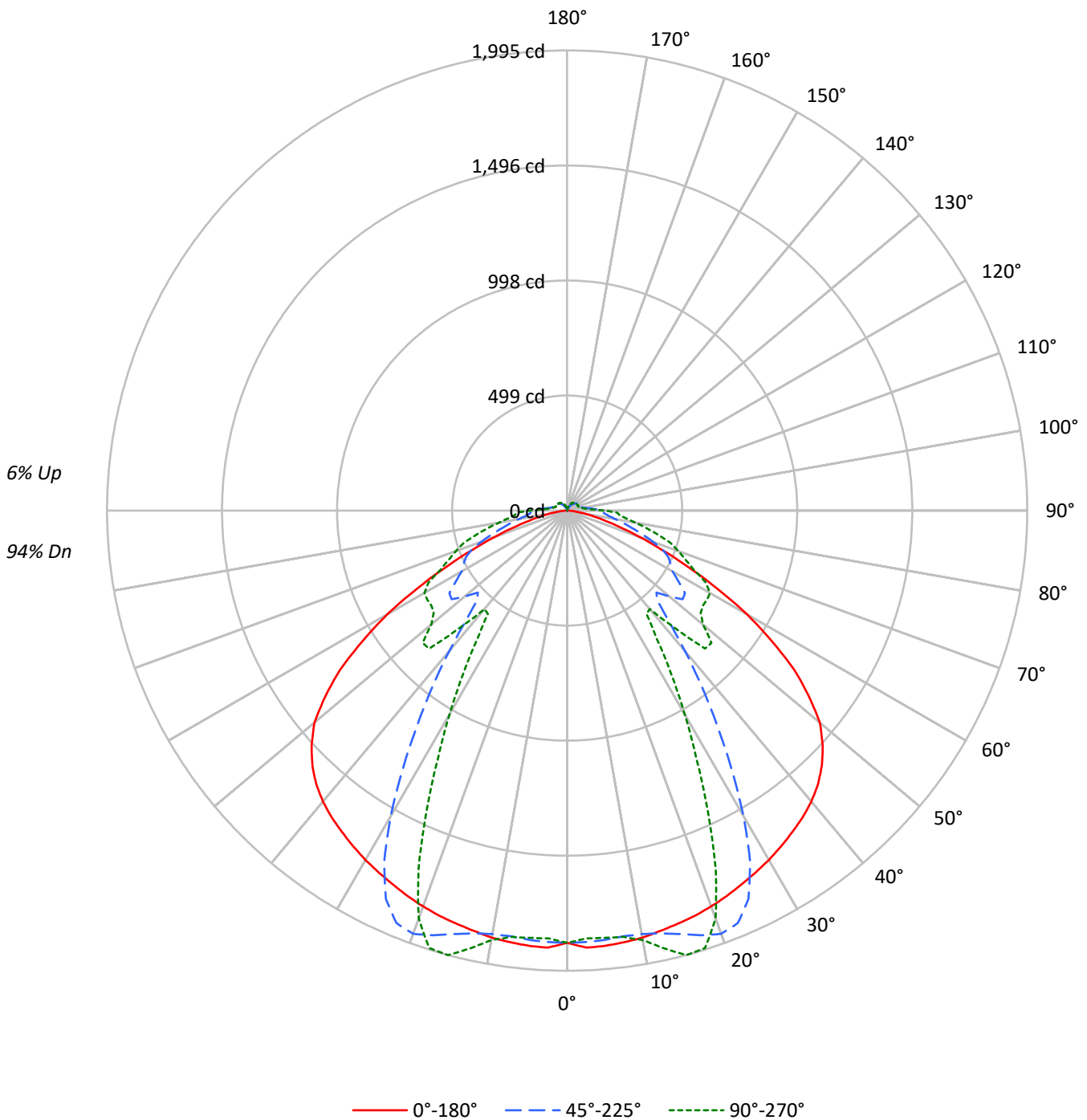
Lumens per Lamp: N/A
Luminaire Lumens: 4812.0 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 42
Input Voltage (V): NR
Input Current (A_{in}): 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°	7569	7569	7569
5°	7671	7399	7301
10°	7692	7293	7276
15°	7724	7402	7583
20°	7807	7629	7118
25°	7917	7339	5481
30°	8087	6152	3899
35°	8302	4664	2640
40°	8574	3394	2235
45°	8790	2465	3514
50°	8827	2733	3335
55°	8280	3149	3293
60°	7086	2886	3500
65°	5362	2916	3202
70°	3795	2661	2981
75°	2519	2237	2674
80°	1648	1924	2227
85°	944	1839	1998



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.2	3.7
10°-20°	538.2	11.2
20°-30°	781.8	16.2
30°-40°	747.0	15.5
40°-50°	683.3	14.2
50°-60°	630.9	13.1
60°-70°	501.1	10.4
70°-80°	309.3	6.4
80°-90°	168.4	3.5
90°-100°	85.1	1.8
100°-110°	53.5	1.1
110°-120°	45.3	0.9
120°-130°	37.0	0.8
130°-140°	26.5	0.6
140°-150°	16.4	0.3
150°-160°	7.8	0.2
160°-170°	2.0	0.0
170°-180°	0.0	0.0
0°-30°	1498.2	31.1
0°-40°	2245.2	46.7
0°-60°	3559.4	74.0
0°-90°	4538.3	94.3
90°-120°	183.9	3.8
90°-150°	263.9	5.5
90°-180°	274.0	5.7
0°-180°	4812.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1873	1873	1873	1873	1873	
5°	1894	1865	1868	1858	1859	180
15°	1854	1829	1901	1971	1995	525
25°	1789	1824	1858	1573	1444	827
35°	1702	1674	1129	777	676	1067
45°	1562	1090	551	702	846	1201
55°	1202	559	624	671	718	1058
65°	580	362	486	590	604	586
75°	171	193	291	386	411	194
85°	24	82	165	225	228	31
90°	1	61	148	175	162	1
95°	0	57	102	90	85	0
105°	0	51	63	57	56	0
115°	0	42	60	54	51	0
125°	1	34	54	52	50	1
135°	1	24	43	47	46	1
145°	1	15	30	38	41	1
155°	2	9	18	24	29	1
165°	2	5	9	12	16	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1873.3	1873.3	1873.3	1873.3	1873.3
2.5°	1896.5	1869.1	1872.4	1866.6	1856.7
5°	1894.0	1865.0	1868.3	1858.3	1859.2
7.5°	1887.4	1857.5	1861.7	1860.0	1864.1
10°	1879.9	1848.4	1864.1	1878.2	1890.7
12.5°	1866.6	1838.4	1876.6	1918.0	1943.8
15°	1854.2	1829.3	1900.6	1971.1	1995.2
17.5°	1841.8	1826.0	1930.5	1991.8	1988.5
20°	1826.0	1824.3	1952.9	1932.1	1881.6
22.5°	1808.6	1825.2	1935.5	1783.7	1684.2
25°	1788.7	1823.5	1858.3	1573.1	1444.5
27.5°	1768.8	1816.0	1718.2	1342.5	1215.7
30°	1748.9	1796.1	1529.1	1131.9	1016.7
32.5°	1725.7	1753.0	1323.5	945.3	839.2
35°	1701.6	1674.2	1128.6	777.0	675.8
37.5°	1676.7	1560.6	953.6	629.4	564.7
40°	1646.9	1418.0	792.8	539.8	557.3
42.5°	1609.6	1257.1	651.0	566.4	687.4
45°	1562.3	1089.6	550.6	702.4	845.8
47.5°	1502.6	928.8	525.7	804.4	849.1
50°	1430.4	781.1	578.0	771.2	767.9
52.5°	1321.0	658.4	631.1	703.2	729.7
55°	1201.6	558.9	623.6	670.9	718.1
57.5°	1050.7	491.7	572.2	664.2	719.0
60°	900.6	447.0	528.2	663.4	714.8
62.5°	734.7	406.3	505.8	647.6	678.3
65°	579.6	362.4	485.9	590.4	604.5
67.5°	444.5	317.6	451.1	526.6	554.8
70°	335.0	273.7	396.4	477.6	512.5
72.5°	241.3	232.2	340.0	434.5	471.0
75°	170.8	193.2	291.1	385.6	411.3
77.5°	117.8	157.6	249.6	331.7	352.4
80°	77.1	126.0	212.3	285.3	299.4
82.5°	46.4	101.2	184.1	249.6	257.1
85°	24.0	82.1	165.0	224.7	228.0
87.5°	7.5	68.8	154.2	213.1	217.3
90°	0.8	61.4	147.6	175.0	161.7
92.5°	0.0	58.0	127.7	119.4	107.0
95°	0.0	57.2	102.0	90.4	85.4
97.5°	0.0	55.6	83.8	75.5	73.0
100°	0.0	53.9	72.1	66.3	65.5
102.5°	0.0	53.1	65.5	60.5	59.7
105°	0.0	51.4	63.0	57.2	56.4
107.5°	0.0	48.9	61.4	55.6	53.9
110°	0.0	46.4	61.4	54.7	52.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	44.0	61.4	53.9	51.4
115°	0.0	42.3	60.5	53.9	51.4
117.5°	0.8	40.6	59.7	53.9	51.4
120°	0.0	39.0	58.0	53.9	50.6
122.5°	0.8	36.5	56.4	53.1	50.6
125°	0.8	34.0	53.9	52.2	49.8
127.5°	0.8	31.5	51.4	50.6	48.1
130°	0.8	29.0	48.9	49.8	47.3
132.5°	0.8	26.5	45.6	48.1	46.4
135°	0.8	24.0	43.1	47.3	45.6
137.5°	0.8	21.6	39.8	44.8	44.8
140°	0.8	19.1	36.5	43.1	44.0
142.5°	0.8	17.4	33.2	41.5	42.3
145°	0.8	14.9	29.9	38.1	40.6
147.5°	0.8	13.3	26.5	34.8	38.1
150°	0.8	11.6	23.2	31.5	34.8
152.5°	0.8	10.0	20.7	27.4	32.3
155°	1.7	9.1	18.2	24.0	29.0
157.5°	1.7	7.5	14.9	20.7	24.9
160°	1.7	6.6	13.3	17.4	22.4
162.5°	1.7	5.8	10.8	14.9	19.1
165°	1.7	5.0	9.1	11.6	15.8
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)