

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-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 (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-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

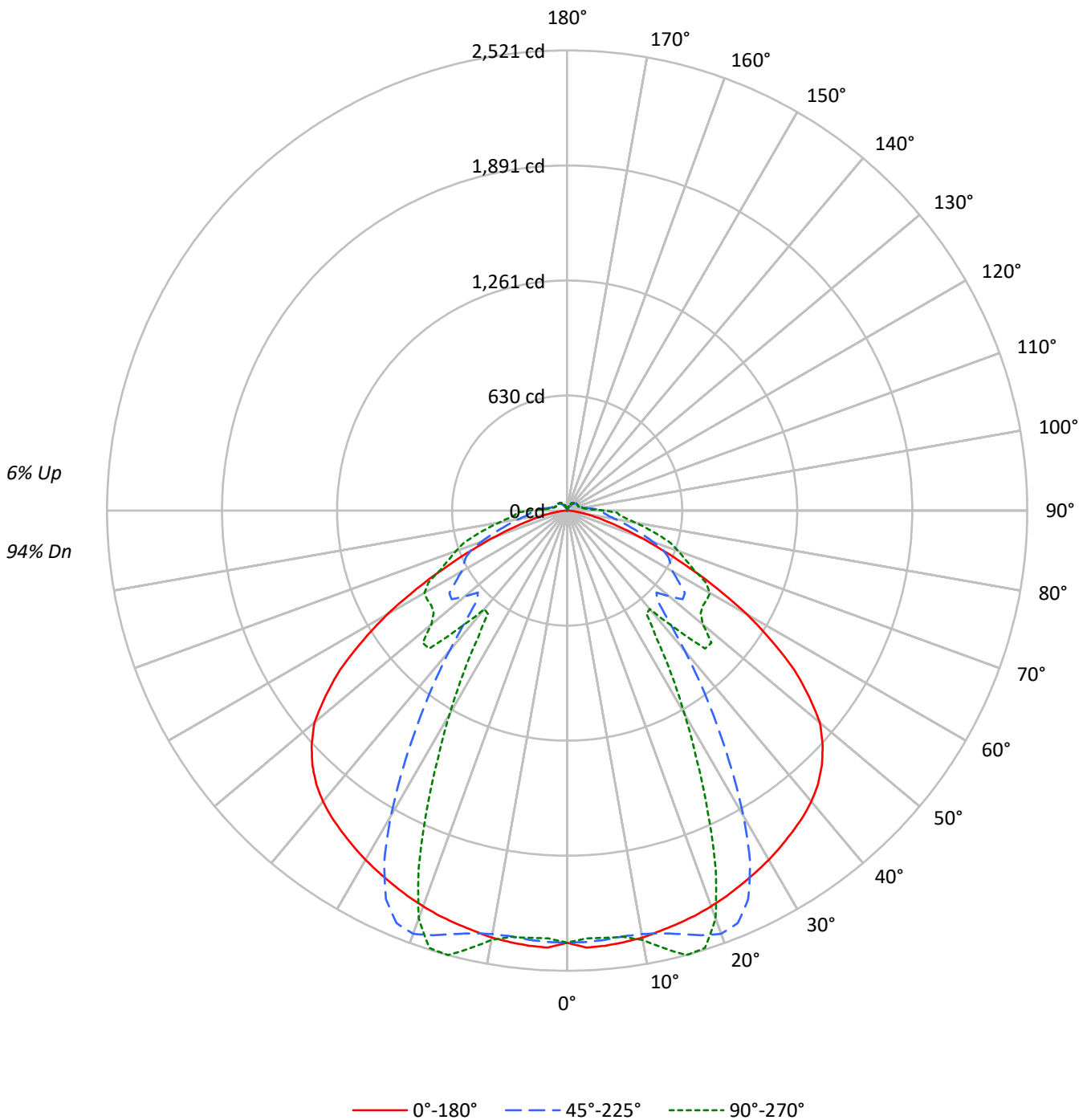
Lumens per Lamp: N/A
Luminaire Lumens: 6080.0 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 42
Input Voltage (V): NR
Input Current (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	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	64	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°	9563	9563	9563
5°	9693	9348	9225
10°	9719	9215	9193
15°	9759	9353	9581
20°	9864	9640	8994
25°	10003	9272	6925
30°	10217	7774	4926
35°	10490	5893	3335
40°	10833	4289	2824
45°	11106	3114	4440
50°	11153	3453	4214
55°	10461	3979	4161
60°	8953	3647	4423
65°	6775	3685	4046
70°	4795	3362	3766
75°	3183	2826	3379
80°	2082	2430	2813
85°	1196	2323	2525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.2	3.7
10°-20°	680.0	11.2
20°-30°	987.8	16.2
30°-40°	943.8	15.5
40°-50°	863.4	14.2
50°-60°	797.2	13.1
60°-70°	633.2	10.4
70°-80°	390.8	6.4
80°-90°	212.8	3.5
90°-100°	107.6	1.8
100°-110°	67.6	1.1
110°-120°	57.2	0.9
120°-130°	46.8	0.8
130°-140°	33.5	0.6
140°-150°	20.7	0.3
150°-160°	9.8	0.2
160°-170°	2.5	0.0
170°-180°	0.0	0.0
0°-30°	1893.0	31.1
0°-40°	2836.9	46.7
0°-60°	4497.4	74.0
0°-90°	5734.2	94.3
90°-120°	232.4	3.8
90°-150°	333.4	5.5
90°-180°	346.0	5.7
0°-180°	6080.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2367	2367	2367	2367	2367	
5°	2393	2356	2361	2348	2349	228
15°	2343	2311	2402	2490	2521	663
25°	2260	2304	2348	1988	1825	1045
35°	2150	2115	1426	982	854	1348
45°	1974	1377	696	888	1069	1517
55°	1518	706	788	848	907	1337
65°	732	458	614	746	764	741
75°	216	244	368	487	520	245
85°	30	104	208	284	288	39
90°	1	78	186	221	204	2
95°	0	72	129	114	108	0
105°	0	65	80	72	71	0
115°	0	53	76	68	65	0
125°	1	43	68	66	63	1
135°	1	30	54	60	58	1
145°	1	19	38	48	51	1
155°	2	12	23	30	37	1
165°	2	6	12	15	20	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°	2366.9	2366.9	2366.9	2366.9	2366.9
2.5°	2396.2	2361.6	2365.8	2358.5	2345.9
5°	2393.1	2356.4	2360.6	2348.0	2349.1
7.5°	2384.7	2347.0	2352.2	2350.1	2355.4
10°	2375.3	2335.5	2355.4	2373.2	2388.9
12.5°	2358.5	2322.9	2371.1	2423.5	2455.9
15°	2342.8	2311.4	2401.5	2490.5	2520.9
17.5°	2327.1	2307.2	2439.2	2516.7	2512.5
20°	2307.2	2305.1	2467.5	2441.3	2377.4
22.5°	2285.2	2306.1	2445.5	2253.7	2128.0
25°	2260.0	2304.0	2348.0	1987.6	1825.2
27.5°	2234.9	2294.6	2171.0	1696.3	1536.0
30°	2209.7	2269.4	1932.1	1430.2	1284.6
32.5°	2180.4	2215.0	1672.2	1194.4	1060.3
35°	2150.0	2115.4	1426.0	981.7	853.9
37.5°	2118.6	1971.9	1204.9	795.2	713.5
40°	2080.8	1791.7	1001.7	682.1	704.1
42.5°	2033.7	1588.4	822.5	715.6	868.6
45°	1974.0	1376.8	695.7	887.5	1068.7
47.5°	1898.5	1173.5	664.3	1016.3	1072.9
50°	1807.4	987.0	730.3	974.4	970.2
52.5°	1669.1	831.9	797.3	888.5	922.0
55°	1518.2	706.2	787.9	847.6	907.4
57.5°	1327.5	621.3	723.0	839.3	908.4
60°	1137.9	564.7	667.4	838.2	903.2
62.5°	928.3	513.4	639.1	818.3	857.1
65°	732.4	457.9	614.0	746.0	763.8
67.5°	561.6	401.3	570.0	665.3	701.0
70°	423.3	345.8	500.8	603.5	647.5
72.5°	304.9	293.4	429.6	549.0	595.1
75°	215.8	244.1	367.8	487.2	519.7
77.5°	148.8	199.1	315.4	419.1	445.3
80°	97.4	159.3	268.2	360.4	378.2
82.5°	58.7	127.8	232.6	315.4	324.8
85°	30.4	103.7	208.5	283.9	288.1
87.5°	9.4	87.0	194.9	269.3	274.5
90°	1.0	77.5	186.5	221.1	204.3
92.5°	0.0	73.3	161.4	150.9	135.2
95°	0.0	72.3	128.9	114.2	107.9
97.5°	0.0	70.2	105.8	95.3	92.2
100°	0.0	68.1	91.2	83.8	82.8
102.5°	0.0	67.1	82.8	76.5	75.4
105°	0.0	65.0	79.6	72.3	71.2
107.5°	0.0	61.8	77.5	70.2	68.1
110°	0.0	58.7	77.5	69.2	66.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	55.5	77.5	68.1	65.0
115°	0.0	53.4	76.5	68.1	65.0
117.5°	1.0	51.3	75.4	68.1	65.0
120°	0.0	49.2	73.3	68.1	63.9
122.5°	1.0	46.1	71.2	67.1	63.9
125°	1.0	43.0	68.1	66.0	62.9
127.5°	1.0	39.8	65.0	63.9	60.8
130°	1.0	36.7	61.8	62.9	59.7
132.5°	1.0	33.5	57.6	60.8	58.7
135°	1.0	30.4	54.5	59.7	57.6
137.5°	1.0	27.2	50.3	56.6	56.6
140°	1.0	24.1	46.1	54.5	55.5
142.5°	1.0	22.0	41.9	52.4	53.4
145°	1.0	18.9	37.7	48.2	51.3
147.5°	1.0	16.8	33.5	44.0	48.2
150°	1.0	14.7	29.3	39.8	44.0
152.5°	1.0	12.6	26.2	34.6	40.9
155°	2.1	11.5	23.1	30.4	36.7
157.5°	2.1	9.4	18.9	26.2	31.4
160°	2.1	8.4	16.8	22.0	28.3
162.5°	2.1	7.3	13.6	18.9	24.1
165°	2.1	6.3	11.5	14.7	19.9
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)