

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-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-LD5-60SL-SLN-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

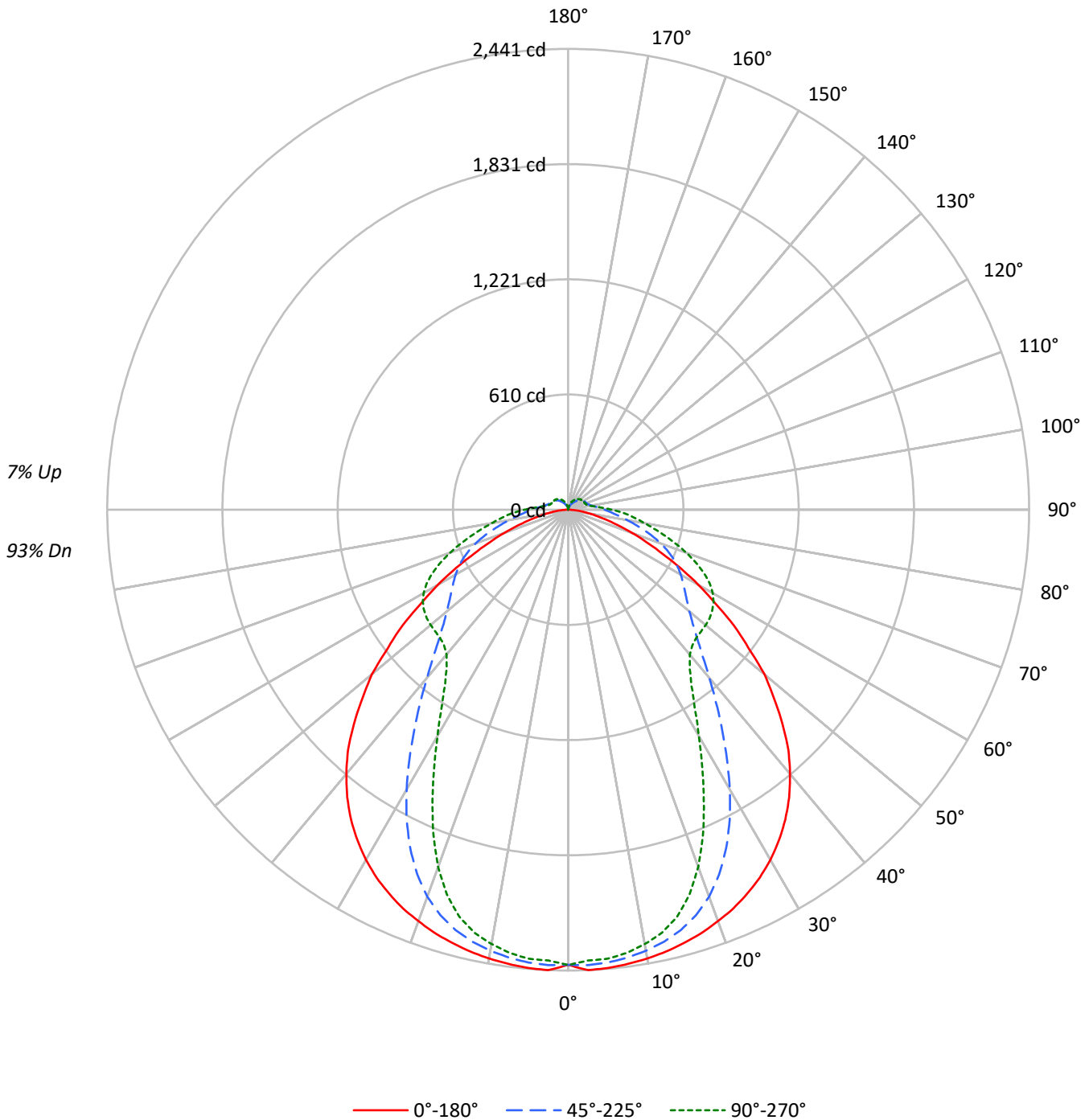
Lumens per Lamp: N/A
Luminaire Lumens: 6063.0 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	9741	9741	9741
5°	9867	9535	9377
10°	9877	9280	8991
15°	9895	8977	8478
20°	9914	8522	7614
25°	9933	7816	6448
30°	9902	6884	5303
35°	9780	5863	4445
40°	9513	4970	4018
45°	9031	4324	3987
50°	8367	3958	4127
55°	7393	3810	4272
60°	6265	3762	4330
65°	5069	3685	4196
70°	4106	3503	3869
75°	3138	3180	3434
80°	2375	2867	3054
85°	1691	2720	2809



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.1	3.8
10°-20°	644.7	10.6
20°-30°	901.2	14.9
30°-40°	934.8	15.4
40°-50°	863.6	14.2
50°-60°	771.0	12.7
60°-70°	624.9	10.3
70°-80°	415.6	6.9
80°-90°	238.0	3.9
90°-100°	131.7	2.2
100°-110°	89.2	1.5
110°-120°	74.2	1.2
120°-130°	60.3	1.0
130°-140°	43.5	0.7
140°-150°	26.2	0.4
150°-160°	12.6	0.2
160°-170°	3.3	0.1
170°-180°	0.0	0.0
0°-30°	1774.0	29.3
0°-40°	2708.8	44.7
0°-60°	4343.4	71.6
0°-90°	5621.9	92.7
90°-120°	295.1	4.9
90°-150°	425.2	7.0
90°-180°	441.0	7.3
0°-180°	6063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2411	2411	2411	2411	2411	
5°	2436	2395	2408	2391	2388	232
15°	2375	2325	2305	2253	2231	671
25°	2244	2145	1979	1772	1700	1034
35°	2004	1784	1419	1191	1138	1251
45°	1605	1272	966	932	960	1234
55°	1073	811	754	877	932	954
65°	548	490	614	752	792	554
75°	213	266	414	507	528	233
85°	43	124	244	312	321	49
90°	2	87	193	233	230	3
95°	2	73	153	164	158	2
105°	1	64	110	107	102	1
115°	1	58	97	96	93	1
125°	1	49	86	90	88	1
135°	2	37	68	80	80	2
145°	2	23	47	62	66	1
155°	2	15	29	39	47	1
165°	2	8	15	19	25	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°	2410.9	2410.9	2410.9	2410.9	2410.9
2.5°	2441.3	2401.5	2414.0	2403.6	2389.9
5°	2436.0	2395.2	2407.7	2391.0	2387.8
7.5°	2426.6	2385.7	2393.1	2373.2	2367.9
10°	2414.0	2371.1	2372.1	2343.8	2336.5
12.5°	2397.3	2350.1	2343.8	2305.1	2294.6
15°	2375.3	2325.0	2305.1	2252.7	2230.7
17.5°	2351.2	2292.5	2251.6	2171.0	2136.4
20°	2318.7	2252.7	2181.4	2058.8	2012.7
22.5°	2286.2	2204.5	2090.3	1926.8	1865.0
25°	2244.3	2144.8	1979.2	1771.8	1699.5
27.5°	2197.1	2074.6	1851.4	1612.5	1535.0
30°	2141.6	1989.7	1711.0	1456.4	1383.0
32.5°	2076.7	1894.3	1563.3	1316.0	1247.9
35°	2004.4	1784.3	1418.7	1191.3	1137.9
37.5°	1921.6	1663.8	1284.6	1090.7	1056.1
40°	1827.3	1532.9	1160.9	1013.2	1001.7
42.5°	1725.7	1405.0	1055.1	962.9	973.4
45°	1605.2	1272.0	966.0	931.5	959.7
47.5°	1478.4	1142.1	893.7	913.6	954.5
50°	1355.8	1021.6	837.2	902.1	950.3
52.5°	1203.9	913.6	792.1	891.6	944.0
55°	1072.9	811.0	754.4	877.0	931.5
57.5°	922.0	718.8	720.9	858.1	912.6
60°	796.3	634.9	688.4	831.9	884.3
62.5°	668.5	559.5	652.8	797.3	844.5
65°	548.0	490.4	614.0	752.3	792.1
67.5°	447.4	427.5	570.0	697.8	731.3
70°	362.5	369.9	521.8	637.0	665.3
72.5°	278.7	316.4	469.4	572.1	596.2
75°	212.7	266.1	413.9	507.1	528.1
77.5°	157.2	222.1	363.6	448.4	466.3
80°	111.1	183.4	316.4	397.1	410.7
82.5°	74.4	150.9	277.7	351.0	363.6
85°	43.0	123.6	244.1	312.2	320.6
87.5°	17.8	102.7	216.9	272.4	276.6
90°	2.1	87.0	192.8	232.6	230.5
92.5°	2.1	78.6	171.8	194.9	189.6
95°	2.1	73.3	153.0	163.5	158.2
97.5°	2.1	70.2	136.2	140.4	135.2
100°	1.0	68.1	124.7	124.7	119.4
102.5°	1.0	66.0	116.3	113.2	109.0
105°	1.0	63.9	110.0	106.9	101.6
107.5°	1.0	62.9	105.8	102.7	97.4
110°	1.0	60.8	102.7	99.5	95.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	59.7	100.6	98.5	93.3
115°	1.0	57.6	97.4	96.4	93.3
117.5°	1.0	55.5	95.3	95.3	92.2
120°	1.0	53.4	92.2	94.3	91.2
122.5°	1.0	51.3	89.1	92.2	89.1
125°	1.0	49.2	85.9	90.1	88.0
127.5°	2.1	46.1	81.7	88.0	85.9
130°	1.0	43.0	77.5	85.9	84.9
132.5°	2.1	39.8	73.3	82.8	82.8
135°	2.1	36.7	68.1	79.6	79.6
137.5°	2.1	32.5	62.9	75.4	76.5
140°	2.1	29.3	57.6	71.2	73.3
142.5°	2.1	26.2	52.4	67.1	70.2
145°	2.1	23.1	47.1	61.8	66.0
147.5°	2.1	21.0	41.9	55.5	61.8
150°	2.1	17.8	37.7	50.3	56.6
152.5°	2.1	15.7	33.5	45.1	52.4
155°	2.1	14.7	29.3	38.8	47.1
157.5°	2.1	12.6	25.1	33.5	41.9
160°	2.1	10.5	21.0	29.3	35.6
162.5°	2.1	9.4	17.8	24.1	31.4
165°	2.1	8.4	14.7	18.9	25.1
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)