

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-L850-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-L850-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

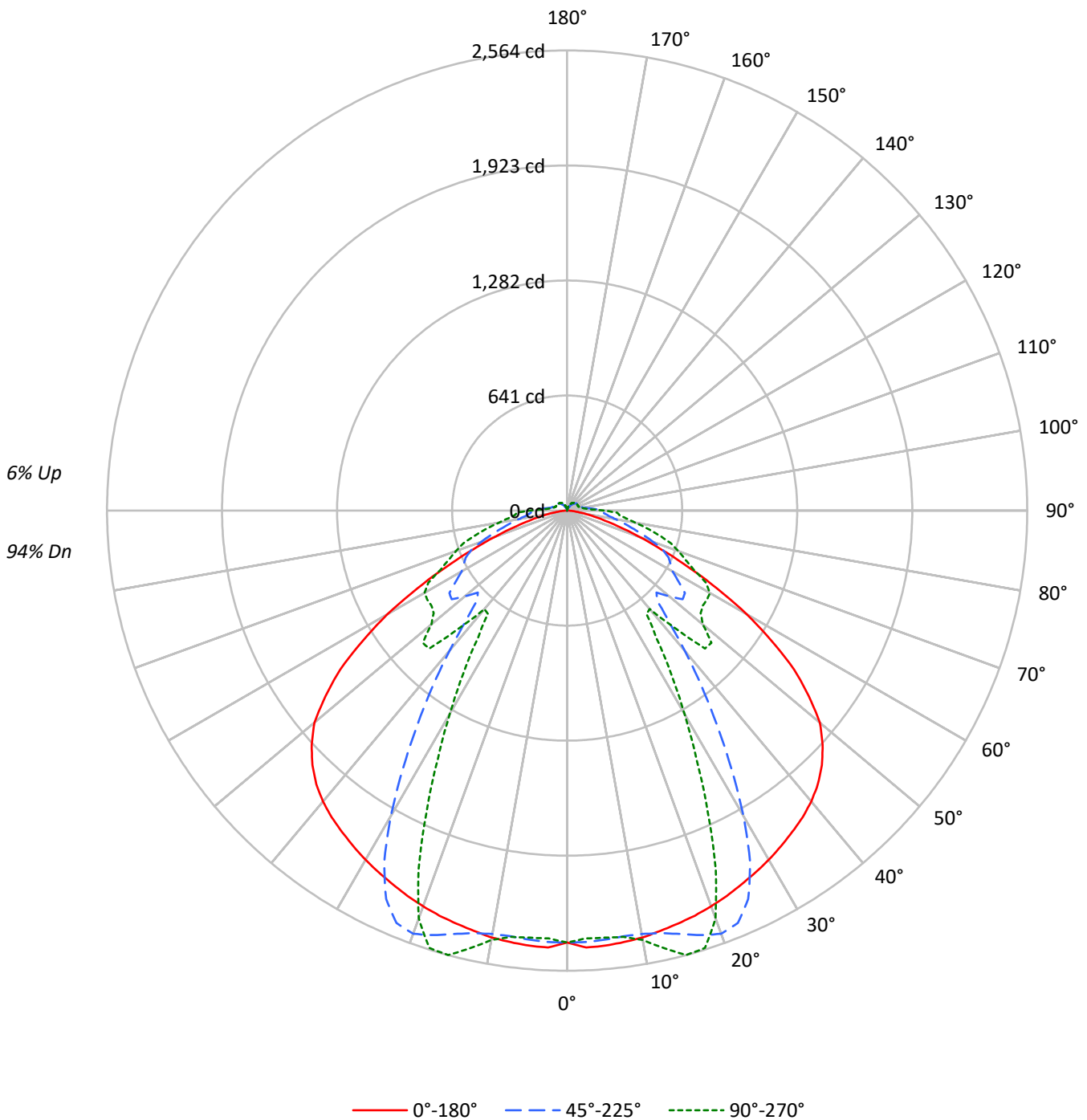
Lumens per Lamp: N/A
Luminaire Lumens: 6183.0 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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	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°	9726	9726	9726
5°	9857	9507	9381
10°	9883	9371	9349
15°	9925	9511	9744
20°	10031	9803	9146
25°	10172	9430	7042
30°	10391	7905	5009
35°	10668	5993	3392
40°	11017	4361	2872
45°	11294	3167	4515
50°	11342	3512	4285
55°	10638	4047	4231
60°	9104	3709	4498
65°	6890	3748	4115
70°	4876	3419	3830
75°	3238	2874	3436
80°	2118	2472	2860
85°	1215	2362	2567



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.0	3.7
10°-20°	691.5	11.2
20°-30°	1004.6	16.2
30°-40°	959.8	15.5
40°-50°	878.0	14.2
50°-60°	810.7	13.1
60°-70°	643.9	10.4
70°-80°	397.4	6.4
80°-90°	216.4	3.5
90°-100°	109.4	1.8
100°-110°	68.7	1.1
110°-120°	58.2	0.9
120°-130°	47.6	0.8
130°-140°	34.1	0.6
140°-150°	21.0	0.3
150°-160°	10.0	0.2
160°-170°	2.6	0.0
170°-180°	0.0	0.0
0°-30°	1925.1	31.1
0°-40°	2884.9	46.7
0°-60°	4573.6	74.0
0°-90°	5831.4	94.3
90°-120°	236.4	3.8
90°-150°	339.1	5.5
90°-180°	352.0	5.7
0°-180°	6183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2407	2407	2407	2407	2407	
5°	2434	2396	2401	2388	2389	232
15°	2382	2350	2442	2533	2564	674
25°	2298	2343	2388	2021	1856	1062
35°	2186	2151	1450	998	868	1371
45°	2007	1400	708	902	1087	1543
55°	1544	718	801	862	923	1360
65°	745	466	624	759	777	753
75°	220	248	374	496	528	249
85°	31	106	212	289	293	39
90°	1	79	190	225	208	2
95°	0	74	131	116	110	0
105°	0	66	81	74	72	0
115°	0	54	78	69	66	1
125°	1	44	69	67	64	1
135°	1	31	55	61	59	1
145°	1	19	38	49	52	1
155°	2	12	23	31	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°	2407.0	2407.0	2407.0	2407.0	2407.0
2.5°	2436.8	2401.7	2405.9	2398.5	2385.7
5°	2433.6	2396.3	2400.6	2387.8	2388.9
7.5°	2425.1	2386.7	2392.1	2389.9	2395.3
10°	2415.5	2375.0	2395.3	2413.4	2429.4
12.5°	2398.5	2362.2	2411.2	2464.5	2497.6
15°	2382.5	2350.5	2442.1	2532.7	2563.6
17.5°	2366.5	2346.2	2480.5	2559.4	2555.1
20°	2346.2	2344.1	2509.3	2482.6	2417.6
22.5°	2323.9	2345.2	2486.9	2291.9	2164.0
25°	2298.3	2343.1	2387.8	2021.3	1856.1
27.5°	2272.7	2333.5	2207.7	1725.1	1562.0
30°	2247.2	2307.9	1964.8	1454.4	1306.3
32.5°	2217.3	2252.5	1700.6	1214.7	1078.3
35°	2186.4	2151.3	1450.2	998.4	868.4
37.5°	2154.5	2005.3	1225.3	808.7	725.6
40°	2116.1	1822.0	1018.6	693.6	716.0
42.5°	2068.2	1615.3	836.4	727.7	883.3
45°	2007.4	1400.1	707.5	902.5	1086.8
47.5°	1930.7	1193.4	675.5	1033.5	1091.1
50°	1838.0	1003.7	742.7	990.9	986.7
52.5°	1697.4	846.0	810.9	903.6	937.6
55°	1543.9	718.2	801.3	862.0	922.7
57.5°	1350.0	631.8	735.2	853.5	923.8
60°	1157.1	574.3	678.7	852.4	918.5
62.5°	944.0	522.1	650.0	832.2	871.6
65°	744.8	465.6	624.4	758.6	776.8
67.5°	571.1	408.1	579.6	676.6	712.8
70°	430.5	351.6	509.3	613.7	658.5
72.5°	310.1	298.3	436.9	558.3	605.2
75°	219.5	248.3	374.0	495.5	528.5
77.5°	151.3	202.4	320.7	426.2	452.8
80°	99.1	162.0	272.8	366.5	384.6
82.5°	59.7	130.0	236.5	320.7	330.3
85°	30.9	105.5	212.0	288.8	293.0
87.5°	9.6	88.4	198.2	273.8	279.2
90°	1.1	78.8	189.7	224.8	207.8
92.5°	0.0	74.6	164.1	153.4	137.5
95°	0.0	73.5	131.1	116.1	109.7
97.5°	0.0	71.4	107.6	97.0	93.8
100°	0.0	69.3	92.7	85.2	84.2
102.5°	0.0	68.2	84.2	77.8	76.7
105°	0.0	66.1	81.0	73.5	72.5
107.5°	0.0	62.9	78.8	71.4	69.3
110°	0.0	59.7	78.8	70.3	67.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	56.5	78.8	69.3	66.1
115°	0.0	54.3	77.8	69.3	66.1
117.5°	1.1	52.2	76.7	69.3	66.1
120°	0.0	50.1	74.6	69.3	65.0
122.5°	1.1	46.9	72.5	68.2	65.0
125°	1.1	43.7	69.3	67.1	63.9
127.5°	1.1	40.5	66.1	65.0	61.8
130°	1.1	37.3	62.9	63.9	60.7
132.5°	1.1	34.1	58.6	61.8	59.7
135°	1.1	30.9	55.4	60.7	58.6
137.5°	1.1	27.7	51.1	57.5	57.5
140°	1.1	24.5	46.9	55.4	56.5
142.5°	1.1	22.4	42.6	53.3	54.3
145°	1.1	19.2	38.4	49.0	52.2
147.5°	1.1	17.0	34.1	44.8	49.0
150°	1.1	14.9	29.8	40.5	44.8
152.5°	1.1	12.8	26.6	35.2	41.6
155°	2.1	11.7	23.4	30.9	37.3
157.5°	2.1	9.6	19.2	26.6	32.0
160°	2.1	8.5	17.0	22.4	28.8
162.5°	2.1	7.5	13.9	19.2	24.5
165°	2.1	6.4	11.7	14.9	20.2
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)