

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-LD5-68SL-SLC-UNV-L940-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-LD5-68SL-SLC-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

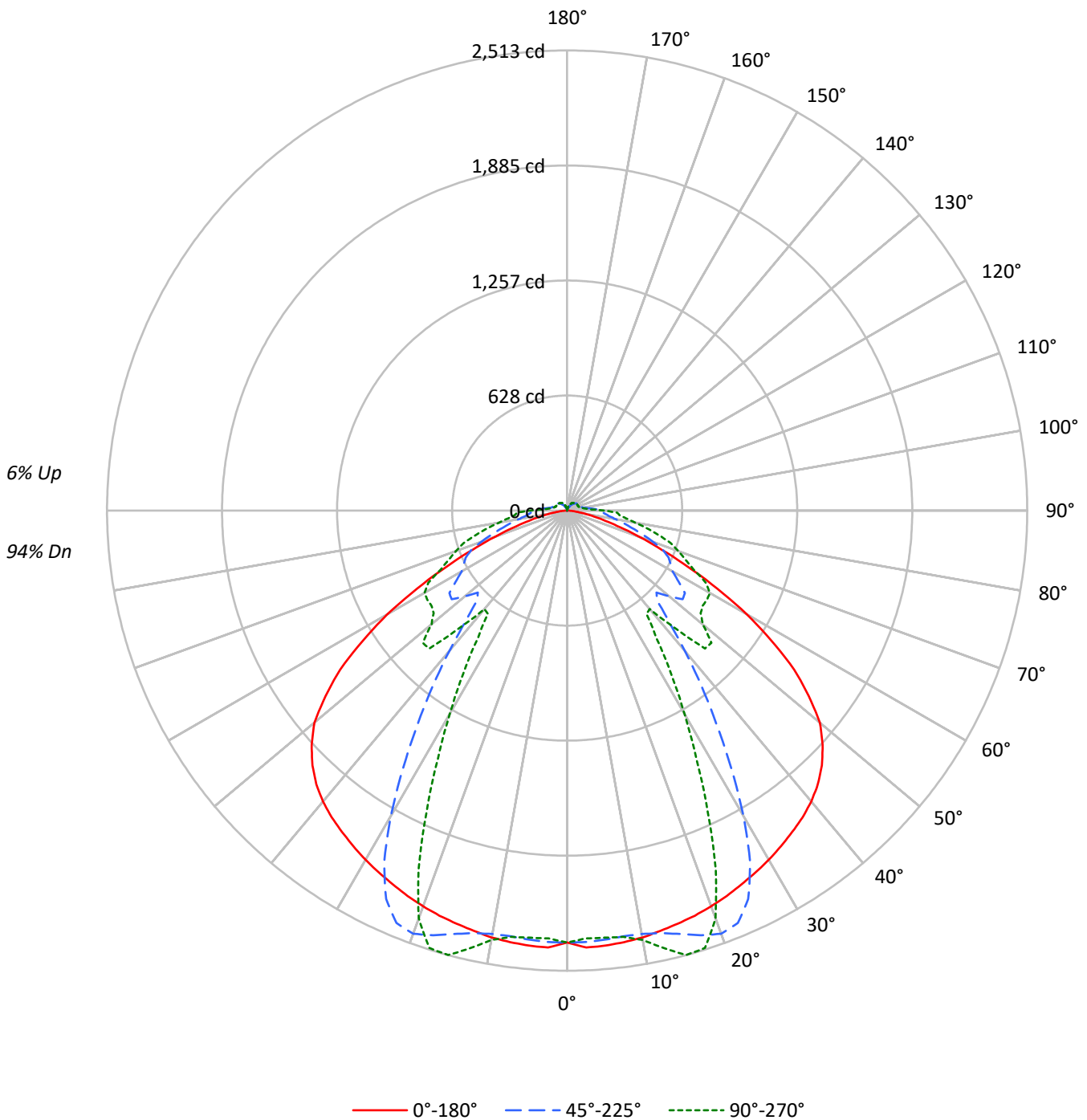
Lumens per Lamp: N/A
Luminaire Lumens: 6060.0 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 50
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°	9532	9532	9532
5°	9661	9317	9194
10°	9687	9184	9162
15°	9727	9322	9550
20°	9832	9608	8964
25°	9970	9242	6902
30°	10184	7748	4909
35°	10456	5874	3324
40°	10798	4274	2815
45°	11070	3104	4425
50°	11116	3442	4200
55°	10427	3966	4148
60°	8923	3635	4408
65°	6753	3673	4032
70°	4779	3352	3753
75°	3173	2817	3368
80°	2075	2422	2804
85°	1192	2316	2517



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.4	3.7
10°-20°	677.8	11.2
20°-30°	984.6	16.2
30°-40°	940.7	15.5
40°-50°	860.5	14.2
50°-60°	794.5	13.1
60°-70°	631.1	10.4
70°-80°	389.5	6.4
80°-90°	212.1	3.5
90°-100°	107.2	1.8
100°-110°	67.4	1.1
110°-120°	57.1	0.9
120°-130°	46.6	0.8
130°-140°	33.4	0.6
140°-150°	20.6	0.3
150°-160°	9.8	0.2
160°-170°	2.5	0.0
170°-180°	0.0	0.0
0°-30°	1886.8	31.1
0°-40°	2827.5	46.7
0°-60°	4482.6	74.0
0°-90°	5715.3	94.3
90°-120°	231.7	3.8
90°-150°	332.3	5.5
90°-180°	345.0	5.7
0°-180°	6060.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2359	2359	2359	2359	2359	
5°	2385	2349	2353	2340	2341	227
15°	2335	2304	2394	2482	2513	661
25°	2253	2296	2340	1981	1819	1041
35°	2143	2108	1421	978	851	1344
45°	1968	1372	693	884	1065	1512
55°	1513	704	785	845	904	1333
65°	730	456	612	744	761	738
75°	215	243	367	486	518	244
85°	30	103	208	283	287	39
90°	1	77	186	220	204	2
95°	0	72	128	114	108	0
105°	0	65	79	72	71	0
115°	0	53	76	68	65	0
125°	1	43	68	66	63	1
135°	1	30	54	60	57	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°	2359.1	2359.1	2359.1	2359.1	2359.1
2.5°	2388.3	2353.9	2358.1	2350.7	2338.2
5°	2385.2	2348.7	2352.8	2340.3	2341.3
7.5°	2376.9	2339.3	2344.5	2342.4	2347.6
10°	2367.5	2327.8	2347.6	2365.4	2381.0
12.5°	2350.7	2315.2	2363.3	2415.5	2447.9
15°	2335.1	2303.8	2393.6	2482.3	2512.6
17.5°	2319.4	2299.6	2431.2	2508.4	2504.3
20°	2299.6	2297.5	2459.4	2433.2	2369.5
22.5°	2277.6	2298.5	2437.4	2246.3	2121.0
25°	2252.6	2296.4	2340.3	1981.1	1819.2
27.5°	2227.5	2287.0	2163.8	1690.7	1531.0
30°	2202.5	2262.0	1925.7	1425.5	1280.3
32.5°	2173.2	2207.7	1666.7	1190.5	1056.8
35°	2142.9	2108.5	1421.3	978.5	851.1
37.5°	2111.6	1965.4	1201.0	792.6	711.2
40°	2074.0	1785.8	998.4	679.8	701.8
42.5°	2027.0	1583.2	819.8	713.3	865.7
45°	1967.5	1372.2	693.4	884.5	1065.2
47.5°	1892.3	1169.6	662.1	1013.0	1069.4
50°	1801.4	983.7	727.9	971.2	967.0
52.5°	1663.6	829.2	794.7	885.6	919.0
55°	1513.2	703.9	785.3	844.8	904.4
57.5°	1323.1	619.3	720.6	836.5	905.4
60°	1134.1	562.9	665.2	835.4	900.2
62.5°	925.3	511.7	637.0	815.6	854.2
65°	730.0	456.4	612.0	743.5	761.3
67.5°	559.8	400.0	568.1	663.1	698.6
70°	421.9	344.6	499.2	601.5	645.4
72.5°	303.9	292.4	428.2	547.2	593.2
75°	215.1	243.3	366.6	485.6	518.0
77.5°	148.3	198.4	314.3	417.7	443.8
80°	97.1	158.7	267.3	359.2	377.0
82.5°	58.5	127.4	231.8	314.3	323.7
85°	30.3	103.4	207.8	283.0	287.2
87.5°	9.4	86.7	194.2	268.4	273.6
90°	1.0	77.3	185.9	220.3	203.6
92.5°	0.0	73.1	160.8	150.4	134.7
95°	0.0	72.1	128.5	113.8	107.6
97.5°	0.0	70.0	105.5	95.0	91.9
100°	0.0	67.9	90.9	83.5	82.5
102.5°	0.0	66.8	82.5	76.2	75.2
105°	0.0	64.7	79.4	72.1	71.0
107.5°	0.0	61.6	77.3	70.0	67.9
110°	0.0	58.5	77.3	68.9	65.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	55.3	77.3	67.9	64.7
115°	0.0	53.3	76.2	67.9	64.7
117.5°	1.0	51.2	75.2	67.9	64.7
120°	0.0	49.1	73.1	67.9	63.7
122.5°	1.0	45.9	71.0	66.8	63.7
125°	1.0	42.8	67.9	65.8	62.7
127.5°	1.0	39.7	64.7	63.7	60.6
130°	1.0	36.6	61.6	62.7	59.5
132.5°	1.0	33.4	57.4	60.6	58.5
135°	1.0	30.3	54.3	59.5	57.4
137.5°	1.0	27.2	50.1	56.4	56.4
140°	1.0	24.0	45.9	54.3	55.3
142.5°	1.0	21.9	41.8	52.2	53.3
145°	1.0	18.8	37.6	48.0	51.2
147.5°	1.0	16.7	33.4	43.9	48.0
150°	1.0	14.6	29.2	39.7	43.9
152.5°	1.0	12.5	26.1	34.5	40.7
155°	2.1	11.5	23.0	30.3	36.6
157.5°	2.1	9.4	18.8	26.1	31.3
160°	2.1	8.4	16.7	21.9	28.2
162.5°	2.1	7.3	13.6	18.8	24.0
165°	2.1	6.3	11.5	14.6	19.8
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)