

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-LD5-75SL-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-LD5-75SL-SLC-UNV-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

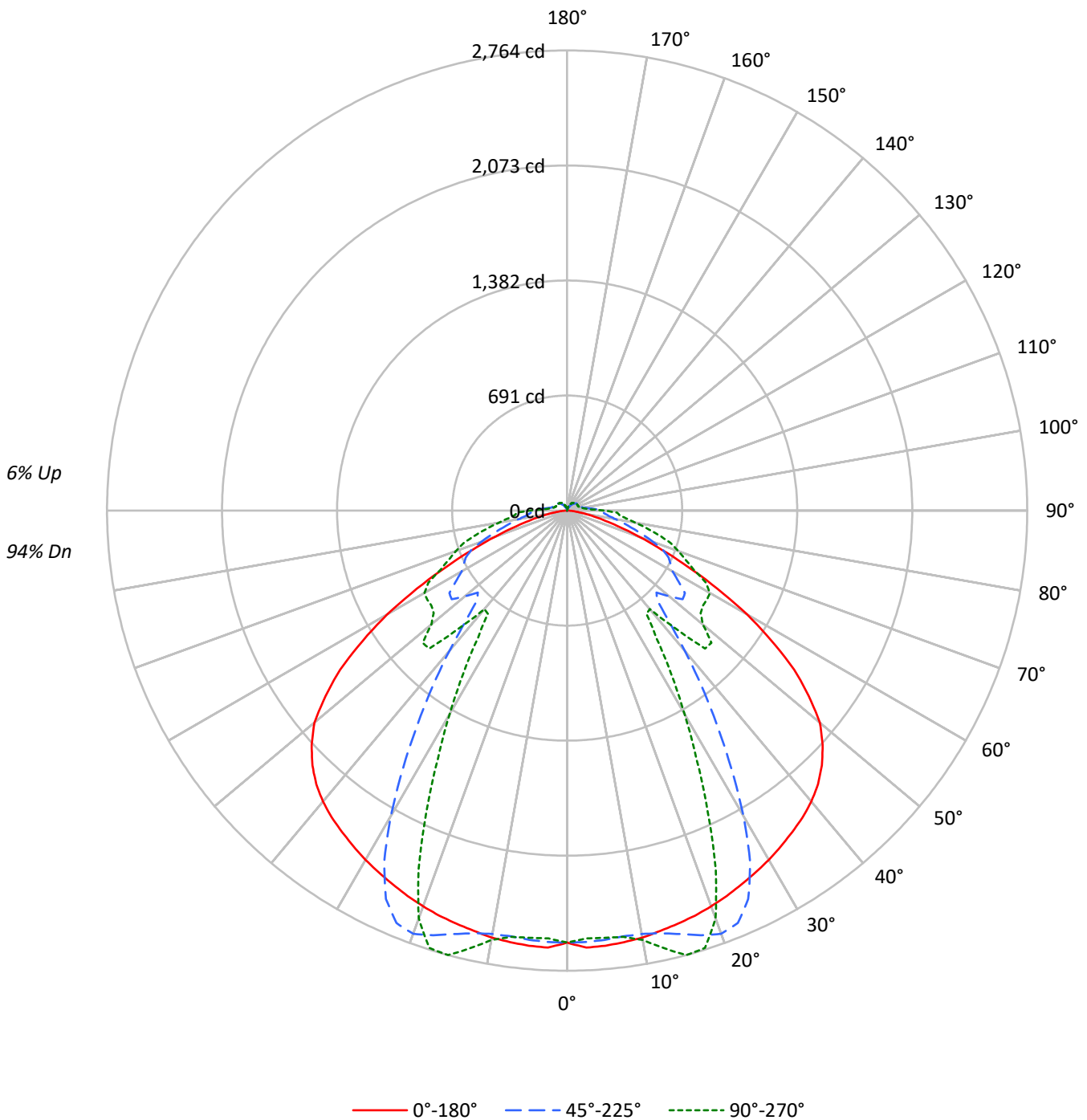
Lumens per Lamp: N/A
Luminaire Lumens: 6666.0 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 55
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°	10485	10485	10485
5°	10627	10249	10114
10°	10655	10103	10079
15°	10700	10254	10505
20°	10815	10569	9860
25°	10967	10166	7592
30°	11202	8523	5401
35°	11501	6461	3657
40°	11878	4702	3097
45°	12176	3415	4868
50°	12228	3786	4620
55°	11469	4363	4562
60°	9815	3998	4849
65°	7428	4041	4436
70°	5257	3687	4129
75°	3490	3098	3705
80°	2283	2665	3084
85°	1310	2547	2768



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.9	3.7
10°-20°	745.6	11.2
20°-30°	1083.1	16.2
30°-40°	1034.8	15.5
40°-50°	946.6	14.2
50°-60°	874.0	13.1
60°-70°	694.2	10.4
70°-80°	428.5	6.4
80°-90°	233.3	3.5
90°-100°	117.9	1.8
100°-110°	74.1	1.1
110°-120°	62.8	0.9
120°-130°	51.3	0.8
130°-140°	36.8	0.6
140°-150°	22.7	0.3
150°-160°	10.8	0.2
160°-170°	2.8	0.0
170°-180°	0.0	0.0
0°-30°	2075.5	31.1
0°-40°	3110.3	46.7
0°-60°	4930.8	74.0
0°-90°	6286.9	94.3
90°-120°	254.8	3.8
90°-150°	365.5	5.5
90°-180°	379.0	5.7
0°-180°	6666.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2595	2595	2595	2595	2595	
5°	2624	2584	2588	2574	2576	250
15°	2569	2534	2633	2731	2764	727
25°	2478	2526	2574	2179	2001	1145
35°	2357	2319	1563	1076	936	1478
45°	2164	1509	763	973	1172	1663
55°	1664	774	864	929	995	1466
65°	803	502	673	818	837	812
75°	237	268	403	534	570	268
85°	33	114	229	311	316	42
90°	1	85	204	242	224	2
95°	0	79	141	125	118	0
105°	0	71	87	79	78	0
115°	0	59	84	75	71	1
125°	1	47	75	72	69	1
135°	1	33	60	66	63	1
145°	1	21	41	53	56	1
155°	2	13	25	33	40	1
165°	2	7	13	16	22	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°	2595.0	2595.0	2595.0	2595.0	2595.0
2.5°	2627.2	2589.3	2593.9	2585.8	2572.0
5°	2623.7	2583.5	2588.1	2574.3	2575.5
7.5°	2614.5	2573.2	2578.9	2576.6	2582.4
10°	2604.2	2560.5	2582.4	2601.9	2619.1
12.5°	2585.8	2546.8	2599.6	2657.0	2692.7
15°	2568.6	2534.1	2632.9	2730.6	2763.9
17.5°	2551.4	2529.5	2674.3	2759.3	2754.7
20°	2529.5	2527.2	2705.3	2676.6	2606.5
22.5°	2505.4	2528.4	2681.2	2470.9	2333.1
25°	2477.8	2526.1	2574.3	2179.2	2001.1
27.5°	2450.3	2515.7	2380.2	1859.8	1684.1
30°	2422.7	2488.2	2118.3	1568.0	1408.4
32.5°	2390.5	2428.4	1833.4	1309.6	1162.5
35°	2357.2	2319.3	1563.4	1076.4	936.2
37.5°	2322.8	2161.9	1321.1	871.9	782.3
40°	2281.4	1964.4	1098.2	747.8	772.0
42.5°	2229.7	1741.5	901.8	784.6	952.3
45°	2164.2	1509.4	762.8	973.0	1171.7
47.5°	2081.5	1286.6	728.3	1114.3	1176.3
50°	1981.6	1082.1	800.7	1068.3	1063.7
52.5°	1829.9	912.1	874.2	974.1	1010.9
55°	1664.5	774.3	863.9	929.3	994.8
57.5°	1455.5	681.2	792.6	920.1	996.0
60°	1247.5	619.2	731.7	919.0	990.2
62.5°	1017.8	562.9	700.7	897.2	939.7
65°	803.0	502.0	673.2	817.9	837.4
67.5°	615.7	440.0	624.9	729.5	768.5
70°	464.1	379.1	549.1	661.7	709.9
72.5°	334.3	321.6	471.0	601.9	652.5
75°	236.6	267.7	403.2	534.2	569.8
77.5°	163.1	218.3	345.8	459.5	488.2
80°	106.8	174.6	294.1	395.2	414.7
82.5°	64.3	140.1	255.0	345.8	356.1
85°	33.3	113.7	228.6	311.3	315.9
87.5°	10.3	95.3	213.7	295.2	301.0
90°	1.1	85.0	204.5	242.4	224.0
92.5°	0.0	80.4	176.9	165.4	148.2
95°	0.0	79.3	141.3	125.2	118.3
97.5°	0.0	77.0	116.0	104.5	101.1
100°	0.0	74.7	99.9	91.9	90.8
102.5°	0.0	73.5	90.8	83.9	82.7
105°	0.0	71.2	87.3	79.3	78.1
107.5°	0.0	67.8	85.0	77.0	74.7
110°	0.0	64.3	85.0	75.8	72.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	60.9	85.0	74.7	71.2
115°	0.0	58.6	83.9	74.7	71.2
117.5°	1.1	56.3	82.7	74.7	71.2
120°	0.0	54.0	80.4	74.7	70.1
122.5°	1.1	50.5	78.1	73.5	70.1
125°	1.1	47.1	74.7	72.4	68.9
127.5°	1.1	43.7	71.2	70.1	66.6
130°	1.1	40.2	67.8	68.9	65.5
132.5°	1.1	36.8	63.2	66.6	64.3
135°	1.1	33.3	59.7	65.5	63.2
137.5°	1.1	29.9	55.1	62.0	62.0
140°	1.1	26.4	50.5	59.7	60.9
142.5°	1.1	24.1	45.9	57.4	58.6
145°	1.1	20.7	41.4	52.8	56.3
147.5°	1.1	18.4	36.8	48.2	52.8
150°	1.1	16.1	32.2	43.7	48.2
152.5°	1.1	13.8	28.7	37.9	44.8
155°	2.3	12.6	25.3	33.3	40.2
157.5°	2.3	10.3	20.7	28.7	34.5
160°	2.3	9.2	18.4	24.1	31.0
162.5°	2.3	8.0	14.9	20.7	26.4
165°	2.3	6.9	12.6	16.1	21.8
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)