

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-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-LD5-75SL-SLC-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

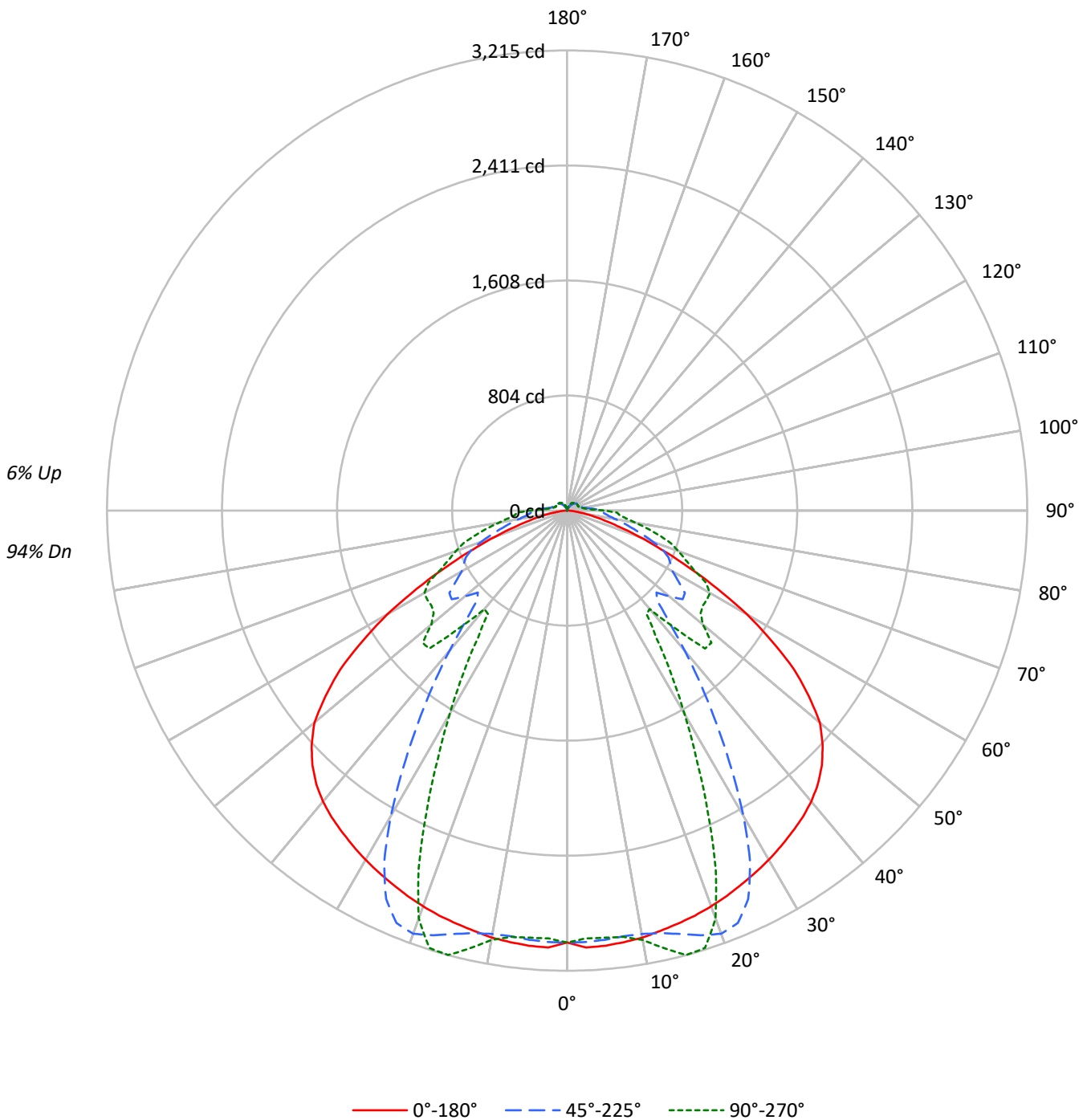
Lumens per Lamp: N/A
Luminaire Lumens: 7753.0 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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°	12195	12195	12195
5°	12360	11921	11763
10°	12393	11750	11722
15°	12444	11926	12218
20°	12579	12292	11468
25°	12755	11824	8830
30°	13029	9912	6281
35°	13377	7515	4253
40°	13814	5468	3601
45°	14162	3971	5662
50°	14222	4403	5373
55°	13340	5074	5306
60°	11417	4651	5640
65°	8639	4699	5159
70°	6115	4287	4802
75°	4060	3603	4309
80°	2657	3099	3587
85°	1522	2963	3219



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.1	3.7
10°-20°	867.1	11.2
20°-30°	1259.7	16.2
30°-40°	1203.5	15.5
40°-50°	1100.9	14.2
50°-60°	1016.5	13.1
60°-70°	807.4	10.4
70°-80°	498.4	6.4
80°-90°	271.4	3.5
90°-100°	137.2	1.8
100°-110°	86.2	1.1
110°-120°	73.0	0.9
120°-130°	59.6	0.8
130°-140°	42.8	0.6
140°-150°	26.4	0.3
150°-160°	12.5	0.2
160°-170°	3.3	0.0
170°-180°	0.0	0.0
0°-30°	2413.9	31.1
0°-40°	3617.5	46.7
0°-60°	5734.9	74.0
0°-90°	7312.1	94.3
90°-120°	296.3	3.8
90°-150°	425.1	5.5
90°-180°	441.0	5.7
0°-180°	7753.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3018	3018	3018	3018	3018	
5°	3052	3005	3010	2994	2996	290
15°	2987	2947	3062	3176	3215	845
25°	2882	2938	2994	2534	2327	1332
35°	2742	2698	1818	1252	1089	1719
45°	2517	1756	887	1132	1363	1934
55°	1936	900	1005	1081	1157	1705
65°	934	584	783	951	974	944
75°	275	311	469	621	663	312
85°	39	132	266	362	367	49
90°	1	99	238	282	260	2
95°	0	92	164	146	138	0
105°	0	83	102	92	91	0
115°	0	68	98	87	83	1
125°	1	55	87	84	80	1
135°	1	39	70	76	74	1
145°	1	24	48	62	66	1
155°	3	15	29	39	47	1
165°	3	8	15	19	25	1
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°	3018.2	3018.2	3018.2	3018.2	3018.2
2.5°	3055.6	3011.5	3016.8	3007.5	2991.4
5°	3051.6	3004.8	3010.2	2994.1	2995.5
7.5°	3040.9	2992.8	2999.5	2996.8	3003.5
10°	3028.9	2978.1	3003.5	3026.2	3046.2
12.5°	3007.5	2962.1	3023.5	3090.3	3131.7
15°	2987.4	2947.4	3062.3	3175.8	3214.6
17.5°	2967.4	2942.0	3110.4	3209.2	3203.9
20°	2942.0	2939.3	3146.4	3113.0	3031.5
22.5°	2914.0	2940.7	3118.4	2873.9	2713.5
25°	2881.9	2938.0	2994.1	2534.5	2327.4
27.5°	2849.8	2926.0	2768.3	2163.1	1958.7
30°	2817.8	2893.9	2463.7	1823.7	1638.0
32.5°	2780.3	2824.4	2132.4	1523.1	1352.1
35°	2741.6	2697.5	1818.4	1251.9	1088.9
37.5°	2701.5	2514.5	1536.5	1014.1	909.9
40°	2653.4	2284.7	1277.3	869.8	897.8
42.5°	2593.3	2025.5	1048.8	912.5	1107.6
45°	2517.1	1755.6	887.1	1131.6	1362.8
47.5°	2420.9	1496.4	847.1	1296.0	1368.1
50°	2304.7	1258.6	931.2	1242.5	1237.2
52.5°	2128.4	1060.8	1016.7	1133.0	1175.7
55°	1936.0	900.5	1004.7	1080.9	1157.0
57.5°	1692.8	792.3	921.9	1070.2	1158.4
60°	1451.0	720.1	851.1	1068.9	1151.7
62.5°	1183.8	654.7	815.0	1043.5	1092.9
65°	933.9	583.9	782.9	951.3	974.0
67.5°	716.1	511.7	726.8	848.4	893.8
70°	539.8	440.9	638.6	769.6	825.7
72.5°	388.8	374.1	547.8	700.1	758.9
75°	275.2	311.3	469.0	621.3	662.7
77.5°	189.7	253.9	402.2	534.4	567.8
80°	124.3	203.1	342.0	459.6	482.3
82.5°	74.8	163.0	296.6	402.2	414.2
85°	38.7	132.3	265.9	362.1	367.4
87.5°	12.0	110.9	248.5	343.4	350.0
90°	1.3	98.9	237.8	281.9	260.5
92.5°	0.0	93.5	205.8	192.4	172.4
95°	0.0	92.2	164.3	145.6	137.6
97.5°	0.0	89.5	134.9	121.6	117.6
100°	0.0	86.8	116.2	106.9	105.5
102.5°	0.0	85.5	105.5	97.5	96.2
105°	0.0	82.8	101.5	92.2	90.9
107.5°	0.0	78.8	98.9	89.5	86.8
110°	0.0	74.8	98.9	88.2	84.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	70.8	98.9	86.8	82.8
115°	0.0	68.1	97.5	86.8	82.8
117.5°	1.3	65.5	96.2	86.8	82.8
120°	0.0	62.8	93.5	86.8	81.5
122.5°	1.3	58.8	90.9	85.5	81.5
125°	1.3	54.8	86.8	84.2	80.2
127.5°	1.3	50.8	82.8	81.5	77.5
130°	1.3	46.8	78.8	80.2	76.2
132.5°	1.3	42.8	73.5	77.5	74.8
135°	1.3	38.7	69.5	76.2	73.5
137.5°	1.3	34.7	64.1	72.1	72.1
140°	1.3	30.7	58.8	69.5	70.8
142.5°	1.3	28.1	53.4	66.8	68.1
145°	1.3	24.0	48.1	61.5	65.5
147.5°	1.3	21.4	42.8	56.1	61.5
150°	1.3	18.7	37.4	50.8	56.1
152.5°	1.3	16.0	33.4	44.1	52.1
155°	2.7	14.7	29.4	38.7	46.8
157.5°	2.7	12.0	24.0	33.4	40.1
160°	2.7	10.7	21.4	28.1	36.1
162.5°	2.7	9.4	17.4	24.0	30.7
165°	2.7	8.0	14.7	18.7	25.4
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)