

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-LD5-83SL-SLC-UNV-L950-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-LD5-83SL-SLC-UNV-L950-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

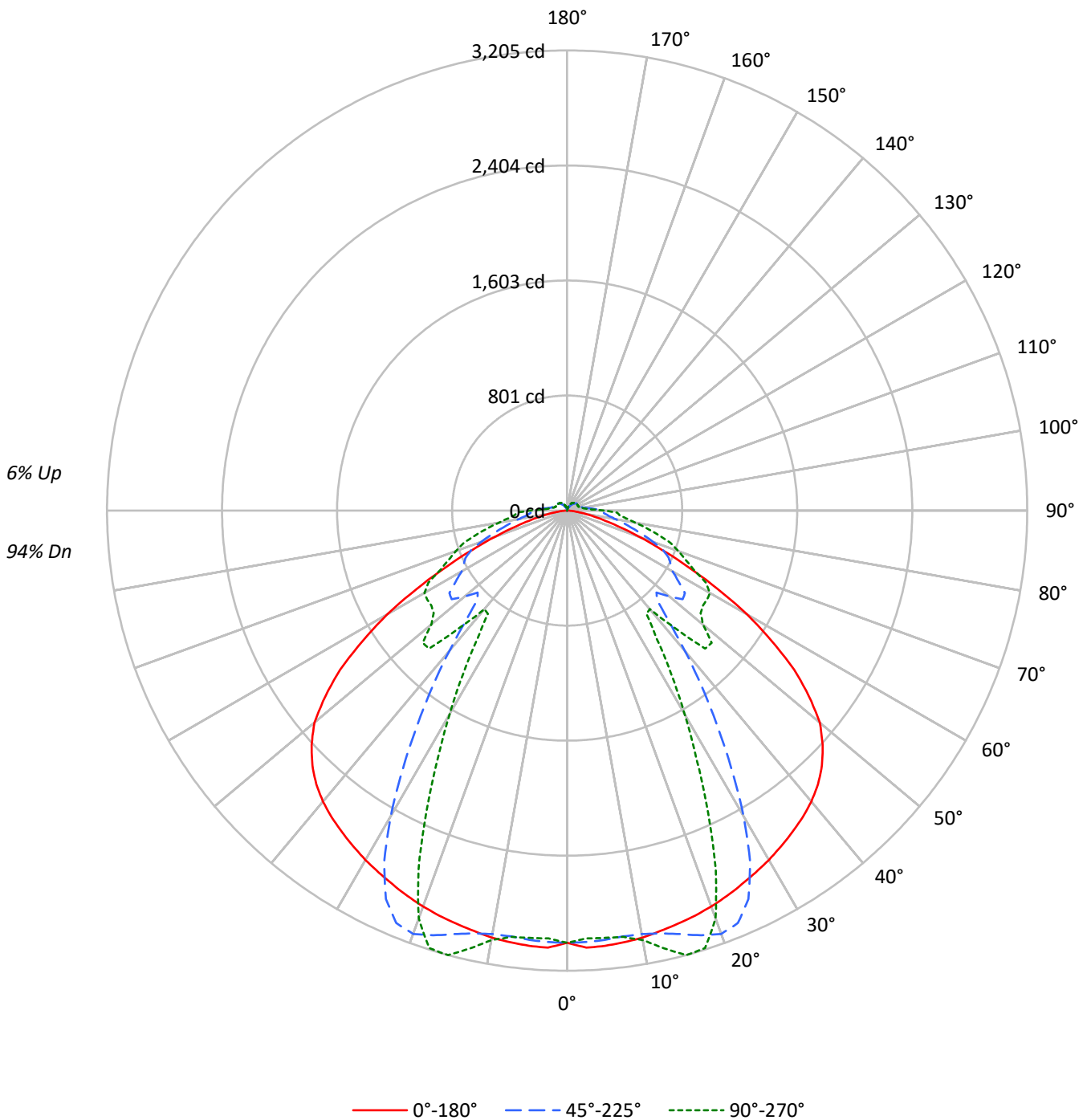
Lumens per Lamp: N/A
Luminaire Lumens: 7731.0 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 61
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°	12160	12160	12160
5°	12325	11887	11730
10°	12358	11716	11689
15°	12409	11892	12183
20°	12543	12257	11436
25°	12719	11790	8805
30°	12992	9884	6263
35°	13339	7493	4241
40°	13775	5453	3591
45°	14122	3960	5646
50°	14182	4390	5358
55°	13302	5060	5291
60°	11384	4638	5624
65°	8615	4686	5144
70°	6096	4275	4788
75°	4048	3593	4297
80°	2648	3091	3577
85°	1518	2954	3211



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.3	3.7
10°-20°	864.7	11.2
20°-30°	1256.1	16.2
30°-40°	1200.1	15.5
40°-50°	1097.8	14.2
50°-60°	1013.6	13.1
60°-70°	805.2	10.4
70°-80°	496.9	6.4
80°-90°	270.6	3.5
90°-100°	136.8	1.8
100°-110°	85.9	1.1
110°-120°	72.8	0.9
120°-130°	59.5	0.8
130°-140°	42.6	0.6
140°-150°	26.3	0.3
150°-160°	12.5	0.2
160°-170°	3.2	0.0
170°-180°	0.0	0.0
0°-30°	2407.1	31.1
0°-40°	3607.2	46.7
0°-60°	5718.6	74.0
0°-90°	7291.3	94.3
90°-120°	295.5	3.8
90°-150°	423.9	5.5
90°-180°	440.0	5.7
0°-180°	7731.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3010	3010	3010	3010	3010	
5°	3043	2996	3002	2986	2987	290
15°	2979	2939	3054	3167	3205	843
25°	2874	2930	2986	2527	2321	1328
35°	2734	2690	1813	1248	1086	1714
45°	2510	1751	885	1128	1359	1929
55°	1930	898	1002	1078	1154	1700
65°	931	582	781	949	971	942
75°	274	310	468	620	661	311
85°	39	132	265	361	366	49
90°	1	99	237	281	260	2
95°	0	92	164	145	137	0
105°	0	83	101	92	91	0
115°	0	68	97	87	83	1
125°	1	55	87	84	80	1
135°	1	39	69	76	73	1
145°	1	24	48	61	65	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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CATALOG NUMBER: 8SNLED-LD5-83SL-SLC-UNV-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3009.6	3009.6	3009.6	3009.6	3009.6
2.5°	3046.9	3002.9	3008.3	2998.9	2983.0
5°	3042.9	2996.3	3001.6	2985.6	2987.0
7.5°	3032.3	2984.3	2991.0	2988.3	2994.9
10°	3020.3	2969.6	2994.9	3017.6	3037.6
12.5°	2998.9	2953.6	3014.9	3081.5	3122.8
15°	2979.0	2939.0	3053.6	3166.8	3205.4
17.5°	2959.0	2933.7	3101.5	3200.1	3194.8
20°	2933.7	2931.0	3137.5	3104.2	3022.9
22.5°	2905.7	2932.3	3109.5	2865.7	2705.8
25°	2873.7	2929.7	2985.6	2527.3	2320.8
27.5°	2841.7	2917.7	2760.5	2156.9	1953.1
30°	2809.8	2885.7	2456.7	1818.6	1633.4
32.5°	2772.5	2816.4	2126.3	1518.8	1348.3
35°	2733.8	2689.9	1813.2	1248.3	1085.8
37.5°	2693.9	2507.3	1532.1	1011.2	907.3
40°	2645.9	2278.2	1273.7	867.3	895.3
42.5°	2585.9	2019.7	1045.8	909.9	1104.5
45°	2510.0	1750.6	884.6	1128.4	1358.9
47.5°	2414.1	1492.1	844.7	1292.3	1364.2
50°	2298.2	1255.0	928.6	1239.0	1233.7
52.5°	2122.3	1057.8	1013.9	1129.8	1172.4
55°	1930.5	898.0	1001.9	1077.8	1153.7
57.5°	1688.0	790.0	919.3	1067.2	1155.1
60°	1446.8	718.1	848.7	1065.8	1148.4
62.5°	1180.4	652.8	812.7	1040.5	1089.8
65°	931.3	582.2	780.7	948.6	971.2
67.5°	714.1	510.3	724.8	846.0	891.3
70°	538.2	439.7	636.8	767.4	823.3
72.5°	387.7	373.0	546.2	698.1	756.7
75°	274.4	310.4	467.6	619.5	660.8
77.5°	189.2	253.1	401.0	532.9	566.2
80°	123.9	202.5	341.1	458.3	481.0
82.5°	74.6	162.5	295.8	401.0	413.0
85°	38.6	131.9	265.1	361.0	366.4
87.5°	12.0	110.6	247.8	342.4	349.1
90°	1.3	98.6	237.1	281.1	259.8
92.5°	0.0	93.3	205.2	191.8	171.9
95°	0.0	91.9	163.9	145.2	137.2
97.5°	0.0	89.3	134.6	121.2	117.2
100°	0.0	86.6	115.9	106.6	105.2
102.5°	0.0	85.3	105.2	97.3	95.9
105°	0.0	82.6	101.3	91.9	90.6
107.5°	0.0	78.6	98.6	89.3	86.6
110°	0.0	74.6	98.6	87.9	83.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	70.6	98.6	86.6	82.6
115°	0.0	67.9	97.3	86.6	82.6
117.5°	1.3	65.3	95.9	86.6	82.6
120°	0.0	62.6	93.3	86.6	81.3
122.5°	1.3	58.6	90.6	85.3	81.3
125°	1.3	54.6	86.6	83.9	79.9
127.5°	1.3	50.6	82.6	81.3	77.3
130°	1.3	46.6	78.6	79.9	75.9
132.5°	1.3	42.6	73.3	77.3	74.6
135°	1.3	38.6	69.3	75.9	73.3
137.5°	1.3	34.6	63.9	71.9	71.9
140°	1.3	30.6	58.6	69.3	70.6
142.5°	1.3	28.0	53.3	66.6	67.9
145°	1.3	24.0	48.0	61.3	65.3
147.5°	1.3	21.3	42.6	56.0	61.3
150°	1.3	18.7	37.3	50.6	56.0
152.5°	1.3	16.0	33.3	44.0	52.0
155°	2.7	14.7	29.3	38.6	46.6
157.5°	2.7	12.0	24.0	33.3	40.0
160°	2.7	10.7	21.3	28.0	36.0
162.5°	2.7	9.3	17.3	24.0	30.6
165°	2.7	8.0	14.7	18.7	25.3
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)