

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-LD5-67SL-SLW-UNV-L930-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 (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-67SL-SLW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

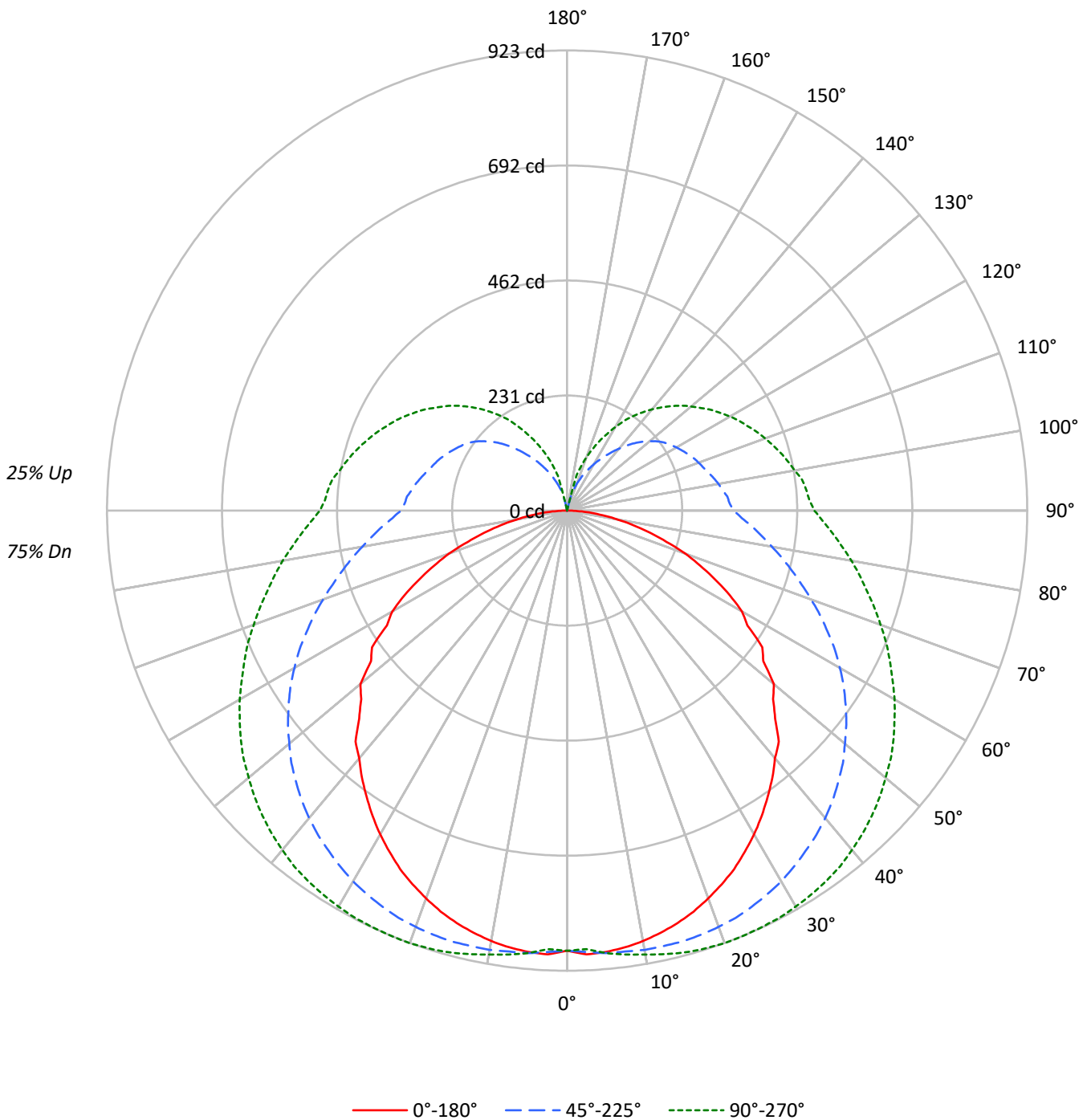
Lumens per Lamp: N/A
Luminaire Lumens: 5083.0 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3567	3567	3567
5°	3600	3528	3499
10°	3587	3500	3479
15°	3567	3484	3486
20°	3539	3472	3493
25°	3510	3462	3499
30°	3468	3455	3517
35°	3421	3445	3541
40°	3377	3446	3565
45°	3319	3443	3593
50°	3339	3439	3621
55°	3292	3444	3665
60°	3186	3452	3714
65°	3028	3463	3783
70°	2854	3497	3890
75°	2537	3588	4046
80°	2195	3777	4308
85°	1739	4153	4689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	1.7
10°-20°	251.5	4.9
20°-30°	399.6	7.9
30°-40°	512.9	10.1
40°-50°	579.2	11.4
50°-60°	591.0	11.6
60°-70°	547.5	10.8
70°-80°	463.6	9.1
80°-90°	370.1	7.3
90°-100°	314.2	6.2
100°-110°	279.9	5.5
110°-120°	238.4	4.7
120°-130°	189.4	3.7
130°-140°	134.3	2.6
140°-150°	80.2	1.6
150°-160°	37.4	0.7
160°-170°	8.9	0.2
170°-180°	0.0	0.0
0°-30°	735.9	14.5
0°-40°	1248.9	24.6
0°-60°	2419.1	47.6
0°-90°	3800.3	74.8
90°-120°	832.6	16.4
90°-150°	1236.5	24.3
90°-180°	1283.0	25.2
0°-180°	5083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	883	883	883	883	883	
5°	889	882	891	891	891	84
15°	856	864	895	911	917	242
25°	793	819	877	908	922	365
35°	701	752	834	885	907	439
45°	590	670	769	836	865	458
55°	478	558	682	766	799	419
65°	327	436	577	676	714	325
75°	172	305	467	582	622	183
85°	44	196	373	493	535	48
90°	2	160	333	454	496	4
95°	0	150	322	441	481	0
105°	0	139	294	405	444	0
115°	0	129	268	364	400	0
125°	0	111	238	321	352	0
135°	0	82	191	271	296	0
145°	0	54	134	203	232	0
155°	1	33	82	124	154	1
165°	1	18	37	51	73	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°	882.7	882.7	882.7	882.7	882.7
2.5°	891.0	881.5	886.3	885.1	880.3
5°	888.7	881.5	891.0	891.0	891.0
7.5°	883.9	879.1	892.2	897.0	898.2
10°	876.7	876.7	894.6	901.8	904.2
12.5°	867.2	870.7	894.6	905.4	911.3
15°	856.4	863.6	894.6	911.3	917.3
17.5°	843.3	855.2	892.2	912.5	920.9
20°	827.7	845.7	888.7	912.5	923.3
22.5°	811.0	833.7	883.9	910.1	923.3
25°	793.1	819.4	876.7	907.8	922.1
27.5°	771.6	805.0	868.3	904.2	920.9
30°	750.1	788.3	858.8	899.4	917.3
32.5°	726.2	770.4	846.8	892.2	912.5
35°	701.1	752.5	833.7	885.1	906.6
37.5°	676.0	731.0	820.6	875.5	899.4
40°	648.6	709.5	805.0	863.6	888.7
42.5°	628.3	686.8	788.3	851.6	877.9
45°	590.0	670.1	769.2	836.1	864.8
47.5°	560.2	637.8	750.1	820.6	850.4
50°	541.1	611.5	727.4	802.7	833.7
52.5°	495.7	593.6	705.9	784.7	818.2
55°	477.8	557.8	682.0	765.6	799.1
57.5°	428.8	532.7	658.1	744.1	778.8
60°	404.9	498.1	631.8	722.6	758.5
62.5°	367.9	468.2	605.6	698.7	735.8
65°	327.3	436.0	576.9	676.0	714.3
67.5°	289.1	403.7	549.4	652.2	692.8
70°	252.0	370.3	520.8	628.3	668.9
72.5°	209.0	336.8	493.3	605.6	646.2
75°	172.0	304.6	467.0	581.7	622.3
77.5°	136.2	273.5	441.9	560.2	600.8
80°	102.7	243.7	416.9	537.5	579.3
82.5°	71.7	218.6	394.2	516.0	556.6
85°	44.2	195.9	372.7	493.3	535.1
87.5°	20.3	175.6	351.2	471.8	514.8
90°	2.4	160.1	333.2	453.9	495.7
92.5°	1.2	155.3	326.1	445.5	486.1
95°	0.0	150.5	322.5	440.7	481.4
97.5°	0.0	145.7	314.1	433.6	475.4
100°	0.0	143.3	308.2	422.8	463.4
102.5°	0.0	139.7	301.0	413.3	453.9
105°	0.0	138.6	293.8	404.9	444.3
107.5°	0.0	136.2	286.7	394.2	433.6
110°	0.0	133.8	280.7	384.6	422.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	131.4	274.7	375.0	412.1
115°	0.0	129.0	267.6	364.3	400.1
117.5°	0.0	125.4	260.4	353.5	389.4
120°	0.0	120.6	253.2	344.0	377.4
122.5°	0.0	115.9	246.1	332.0	364.3
125°	0.0	111.1	237.7	321.3	352.4
127.5°	0.0	103.9	228.1	309.4	338.0
130°	0.0	96.7	216.2	297.4	324.9
132.5°	1.2	89.6	204.2	284.3	311.7
135°	0.0	82.4	191.1	271.1	296.2
137.5°	0.0	76.4	176.8	256.8	280.7
140°	0.0	69.3	162.4	240.1	265.2
142.5°	0.0	60.9	148.1	222.2	248.4
145°	0.0	53.7	133.8	203.1	231.7
147.5°	1.2	47.8	120.6	182.7	213.8
150°	1.2	43.0	107.5	162.4	193.5
152.5°	1.2	38.2	94.4	143.3	173.2
155°	1.2	33.4	82.4	124.2	154.1
157.5°	1.2	28.7	69.3	105.1	133.8
160°	1.2	25.1	57.3	88.4	114.7
162.5°	1.2	21.5	46.6	69.3	94.4
165°	1.2	17.9	37.0	51.4	72.9
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)