

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: P284637

Luminaire Tested: **8SNLED-LD5-64SL-SLW-UNV-L930-CD1-U**

Issue Date: 3/3/2020

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.

Test Information

Test Method: LM-79-08
Report Number: P284637
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P#)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-64SL-SLW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

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

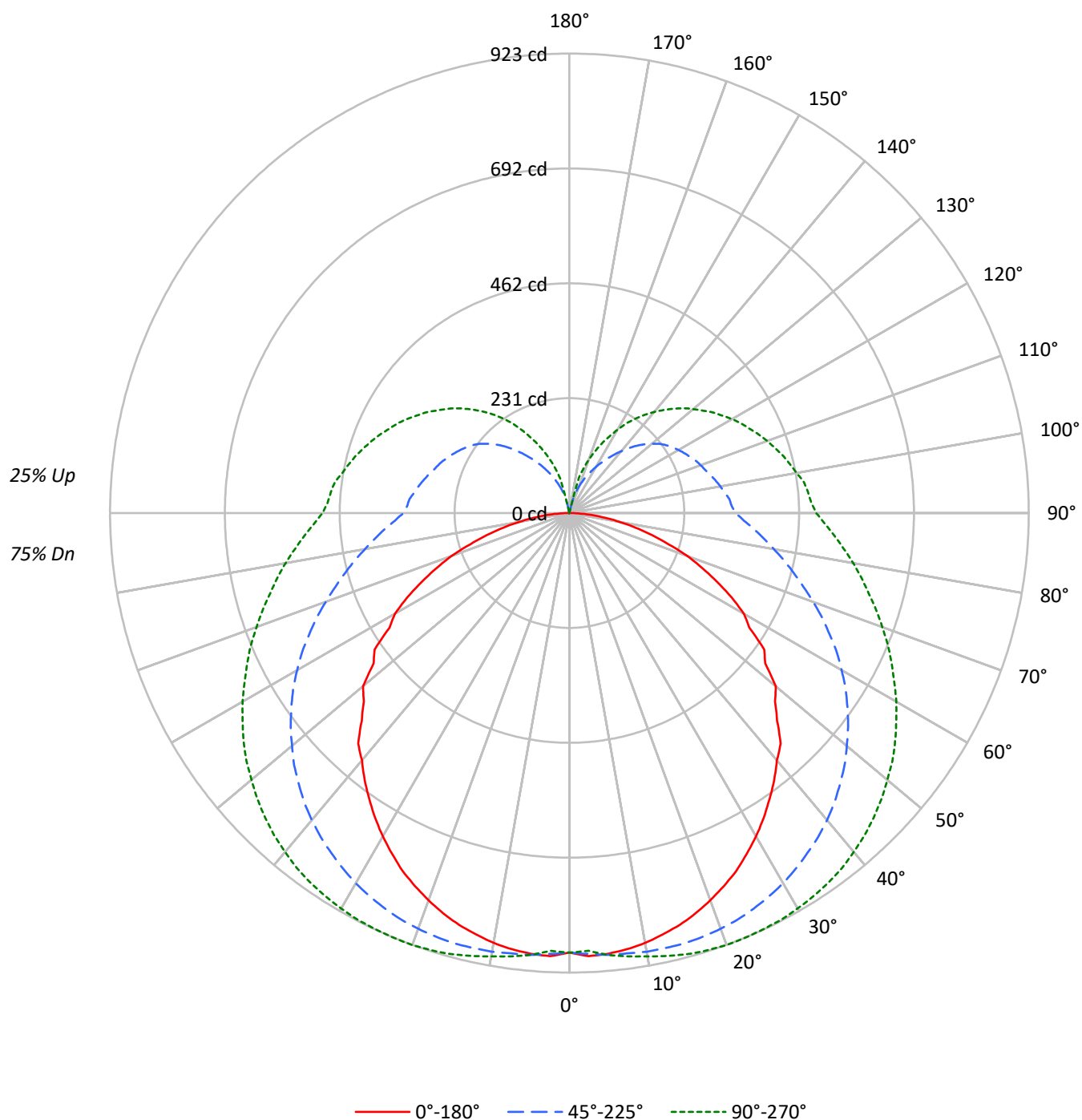
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	3599	3528	3499
10°	3587	3500	3479
15°	3567	3484	3486
20°	3539	3471	3493
25°	3511	3462	3499
30°	3468	3454	3517
35°	3420	3446	3541
40°	3376	3447	3564
45°	3321	3442	3593
50°	3340	3440	3621
55°	3292	3444	3664
60°	3185	3452	3714
65°	3026	3463	3783
70°	2856	3497	3890
75°	2539	3588	4047
80°	2197	3777	4307
85°	1739	4152	4688



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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°	370.0	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°	1248.8	24.6
0°-60°	2419.1	47.6
0°-90°	3800.2	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	753	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	323	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	1
155°	1	34	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°	882.8	882.8	882.8	882.8	882.8
2.5°	890.9	881.5	886.4	885.1	880.2
5°	888.6	881.5	890.9	890.9	890.9
7.5°	883.8	879.0	892.2	897.0	898.3
10°	876.7	876.7	894.7	901.8	904.1
12.5°	867.0	870.6	894.7	905.4	911.2
15°	856.4	863.5	894.7	911.2	917.3
17.5°	843.2	855.1	892.2	912.5	920.9
20°	827.7	845.8	888.6	912.5	923.4
22.5°	810.9	833.8	883.8	910.2	923.4
25°	793.2	819.3	876.7	907.6	922.1
27.5°	771.6	805.1	868.3	904.1	920.9
30°	750.0	788.4	858.6	899.3	917.3
32.5°	726.2	770.3	846.7	892.2	912.5
35°	701.0	752.6	833.8	885.1	906.7
37.5°	675.9	731.0	820.6	875.4	899.3
40°	648.5	709.4	805.1	863.5	888.6
42.5°	628.2	686.9	788.4	851.6	878.0
45°	590.2	670.1	769.0	836.1	864.8
47.5°	560.2	637.9	750.0	820.6	850.3
50°	541.2	611.4	727.5	802.6	833.8
52.5°	495.7	593.7	705.9	784.8	818.0
55°	477.7	557.9	682.0	765.5	799.0
57.5°	428.7	532.8	658.2	744.2	778.7
60°	404.8	498.0	631.7	722.6	758.4
62.5°	367.8	468.3	605.6	698.8	735.8
65°	327.1	436.1	576.9	675.9	714.3
67.5°	289.1	403.9	549.5	652.0	692.7
70°	252.1	370.3	520.9	628.2	668.8
72.5°	208.9	336.8	493.1	605.6	646.2
75°	172.1	304.6	467.0	581.8	622.4
77.5°	136.0	273.6	441.9	560.2	600.8
80°	102.8	243.7	416.8	537.6	579.2
82.5°	71.6	218.5	394.2	516.0	556.6
85°	44.2	196.0	372.6	493.1	535.0
87.5°	20.3	175.7	351.0	471.9	514.7
90°	2.3	160.2	333.3	453.8	495.7
92.5°	1.3	155.4	326.2	445.4	486.1
95°	0.0	150.5	322.6	440.6	481.2
97.5°	0.0	145.7	314.3	433.5	475.4
100°	0.0	143.4	308.1	422.9	463.5
102.5°	0.0	139.9	301.0	413.2	453.8
105°	0.0	138.6	294.0	404.8	444.5
107.5°	0.0	136.0	286.5	394.2	433.5
110°	0.0	133.8	280.7	384.5	422.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	131.5	274.6	375.2	411.9
115°	0.0	128.9	267.5	364.2	400.0
117.5°	0.0	125.4	260.4	353.6	389.4
120°	0.0	120.5	253.3	343.9	377.4
122.5°	0.0	115.7	245.9	332.0	364.2
125°	0.0	111.2	237.5	321.3	352.3
127.5°	0.0	103.8	228.2	309.4	338.1
130°	0.0	96.7	216.3	297.5	324.9
132.5°	1.3	89.6	204.3	284.3	311.7
135°	0.0	82.5	191.1	271.1	296.2
137.5°	0.0	76.4	176.6	256.9	280.7
140°	0.0	69.3	162.4	240.1	265.3
142.5°	0.0	60.9	148.3	222.1	248.5
145°	0.0	53.8	133.8	203.1	231.7
147.5°	1.3	47.7	120.5	182.8	213.7
150°	1.3	42.9	107.7	162.4	193.4
152.5°	1.3	38.4	94.4	143.4	173.1
155°	1.3	33.5	82.5	124.1	154.1
157.5°	1.3	28.7	69.3	105.1	133.8
160°	1.3	25.1	57.4	88.3	114.7
162.5°	1.3	21.6	46.7	69.3	94.4
165°	1.3	18.0	37.1	51.2	72.8
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)