

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: P284675

Luminaire Tested: **8SNLED-LD5-58SL-SLW-UNV-L935-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: P284675
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-LD5-58SL-SLW-UNV-L935-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: 4904.0 lumens
Efficiency: N/A
Efficacy: 98.1 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

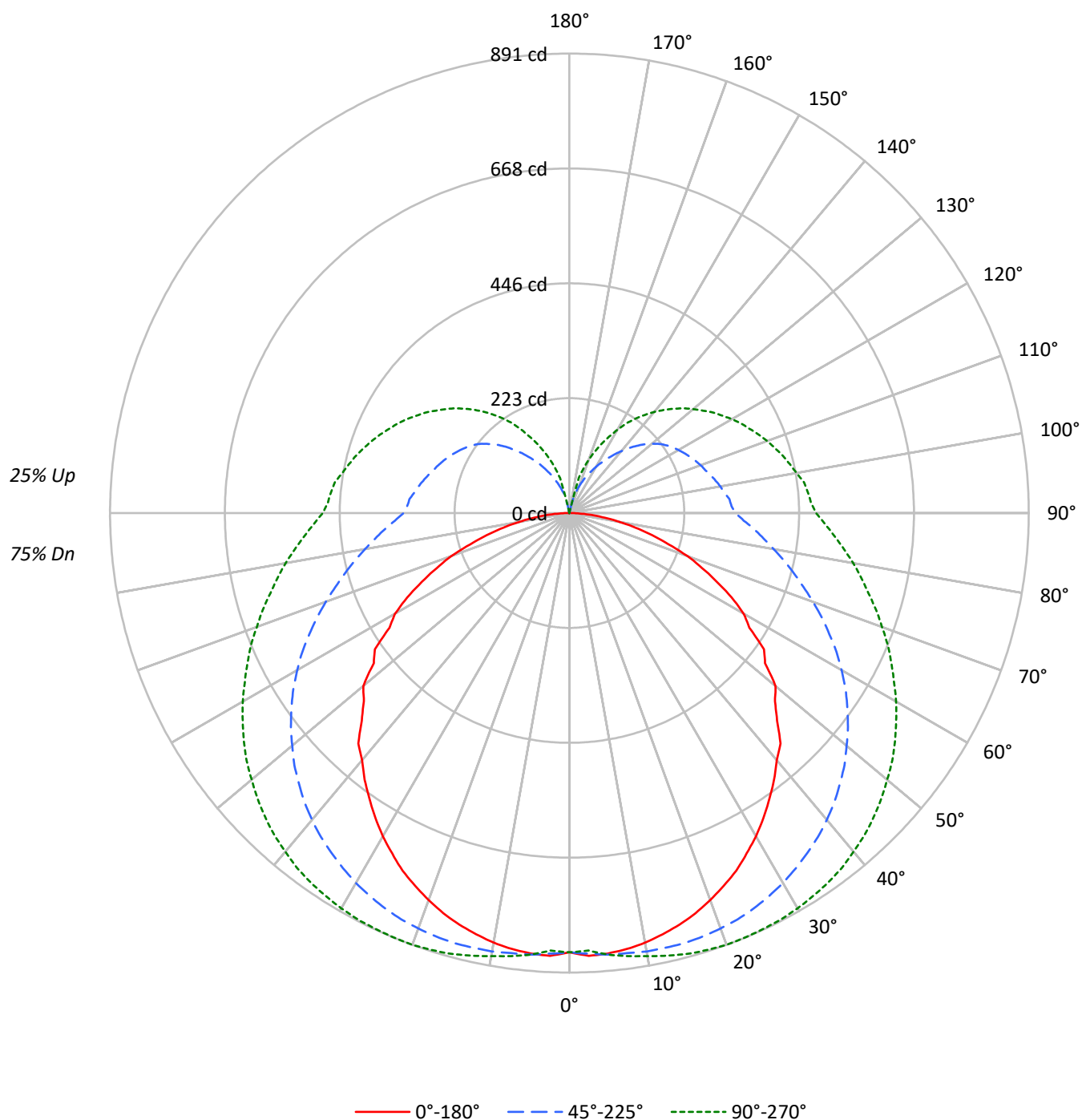
Input Watts (W): 50
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3441	3441	3441
5°	3472	3404	3375
10°	3461	3377	3357
15°	3442	3362	3364
20°	3414	3349	3370
25°	3387	3340	3376
30°	3346	3333	3394
35°	3300	3325	3417
40°	3258	3326	3439
45°	3204	3322	3466
50°	3222	3318	3494
55°	3175	3323	3535
60°	3073	3330	3583
65°	2920	3341	3650
70°	2755	3374	3753
75°	2450	3462	3905
80°	2120	3643	4156
85°	1676	4006	4523



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	1.7
10°-20°	242.6	4.9
20°-30°	385.6	7.9
30°-40°	494.9	10.1
40°-50°	558.8	11.4
50°-60°	570.2	11.6
60°-70°	528.3	10.8
70°-80°	447.2	9.1
80°-90°	357.0	7.3
90°-100°	303.2	6.2
100°-110°	270.1	5.5
110°-120°	230.0	4.7
120°-130°	182.7	3.7
130°-140°	129.6	2.6
140°-150°	77.4	1.6
150°-160°	36.1	0.7
160°-170°	8.6	0.2
170°-180°	0.0	0.0
0°-30°	710.0	14.5
0°-40°	1204.9	24.6
0°-60°	2333.9	47.6
0°-90°	3666.4	74.8
90°-120°	803.3	16.4
90°-150°	1193.0	24.3
90°-180°	1238.0	25.2
0°-180°	4904.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	852	852	852	852	852	
5°	857	850	860	860	860	81
15°	826	833	863	879	885	233
25°	765	790	846	876	890	352
35°	676	726	804	854	875	423
45°	569	646	742	807	834	442
55°	461	538	658	738	771	405
65°	316	421	557	652	689	313
75°	166	294	451	561	600	177
85°	43	189	360	476	516	46
90°	2	154	322	438	478	3
95°	0	145	311	425	464	0
105°	0	134	284	391	429	0
115°	0	124	258	351	386	0
125°	0	107	229	310	340	0
135°	0	80	184	262	286	0
145°	0	52	129	196	224	0
155°	1	32	80	120	149	1
165°	1	17	36	49	70	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°	851.7	851.7	851.7	851.7	851.7
2.5°	859.5	850.5	855.2	853.9	849.2
5°	857.3	850.5	859.5	859.5	859.5
7.5°	852.7	848.0	860.8	865.4	866.7
10°	845.8	845.8	863.2	870.1	872.3
12.5°	836.5	839.9	863.2	873.5	879.1
15°	826.2	833.1	863.2	879.1	885.0
17.5°	813.5	825.0	860.8	880.3	888.4
20°	798.6	816.0	857.3	880.3	890.9
22.5°	782.4	804.5	852.7	878.2	890.9
25°	765.3	790.5	845.8	875.7	889.7
27.5°	744.4	776.8	837.7	872.3	888.4
30°	723.6	760.6	828.4	867.6	885.0
32.5°	700.6	743.2	816.9	860.8	880.3
35°	676.3	726.1	804.5	853.9	874.7
37.5°	652.1	705.3	791.7	844.6	867.6
40°	625.7	684.4	776.8	833.1	857.3
42.5°	606.1	662.7	760.6	821.6	847.1
45°	569.4	646.5	742.0	806.6	834.3
47.5°	540.5	615.4	723.6	791.7	820.3
50°	522.1	589.9	701.8	774.3	804.5
52.5°	478.3	572.8	681.0	757.2	789.2
55°	460.8	538.3	658.0	738.5	770.9
57.5°	413.6	514.0	635.0	718.0	751.3
60°	390.6	480.4	609.5	697.2	731.7
62.5°	354.8	451.8	584.3	674.2	709.9
65°	315.6	420.7	556.6	652.1	689.1
67.5°	278.9	389.6	530.2	629.1	668.3
70°	243.2	357.3	502.5	606.1	645.3
72.5°	201.5	325.0	475.8	584.3	623.5
75°	166.1	293.9	450.6	561.3	600.5
77.5°	131.2	264.0	426.3	540.5	579.6
80°	99.2	235.1	402.1	518.7	558.8
82.5°	69.0	210.8	380.3	497.9	537.0
85°	42.6	189.1	359.5	475.8	516.2
87.5°	19.6	169.5	338.6	455.3	496.6
90°	2.2	154.5	321.5	437.8	478.3
92.5°	1.2	149.9	314.7	429.8	468.9
95°	0.0	145.2	311.3	425.1	464.3
97.5°	0.0	140.6	303.2	418.2	458.7
100°	0.0	138.4	297.3	408.0	447.2
102.5°	0.0	135.0	290.4	398.7	437.8
105°	0.0	133.7	283.6	390.6	428.8
107.5°	0.0	131.2	276.4	380.3	418.2
110°	0.0	129.1	270.9	371.0	408.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	126.9	264.9	362.0	397.4
115°	0.0	124.4	258.1	351.4	385.9
117.5°	0.0	121.0	251.3	341.1	375.6
120°	0.0	116.3	244.4	331.8	364.1
122.5°	0.0	111.6	237.3	320.3	351.4
125°	0.0	107.3	229.2	310.0	339.9
127.5°	0.0	100.1	220.2	298.5	326.2
130°	0.0	93.3	208.7	287.0	313.5
132.5°	1.2	86.4	197.2	274.3	300.7
135°	0.0	79.6	184.4	261.5	285.8
137.5°	0.0	73.7	170.4	247.8	270.9
140°	0.0	66.9	156.7	231.7	255.9
142.5°	0.0	58.8	143.0	214.3	239.8
145°	0.0	51.9	129.1	195.9	223.6
147.5°	1.2	46.0	116.3	176.3	206.2
150°	1.2	41.4	103.9	156.7	186.6
152.5°	1.2	37.0	91.1	138.4	167.0
155°	1.2	32.3	79.6	119.7	148.6
157.5°	1.2	27.7	66.9	101.4	129.1
160°	1.2	24.3	55.4	85.2	110.7
162.5°	1.2	20.8	45.1	66.9	91.1
165°	1.2	17.4	35.8	49.4	70.3
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)