

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-LD5-61SL-SLW-UNV-L935-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-LD5-61SL-SLW-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

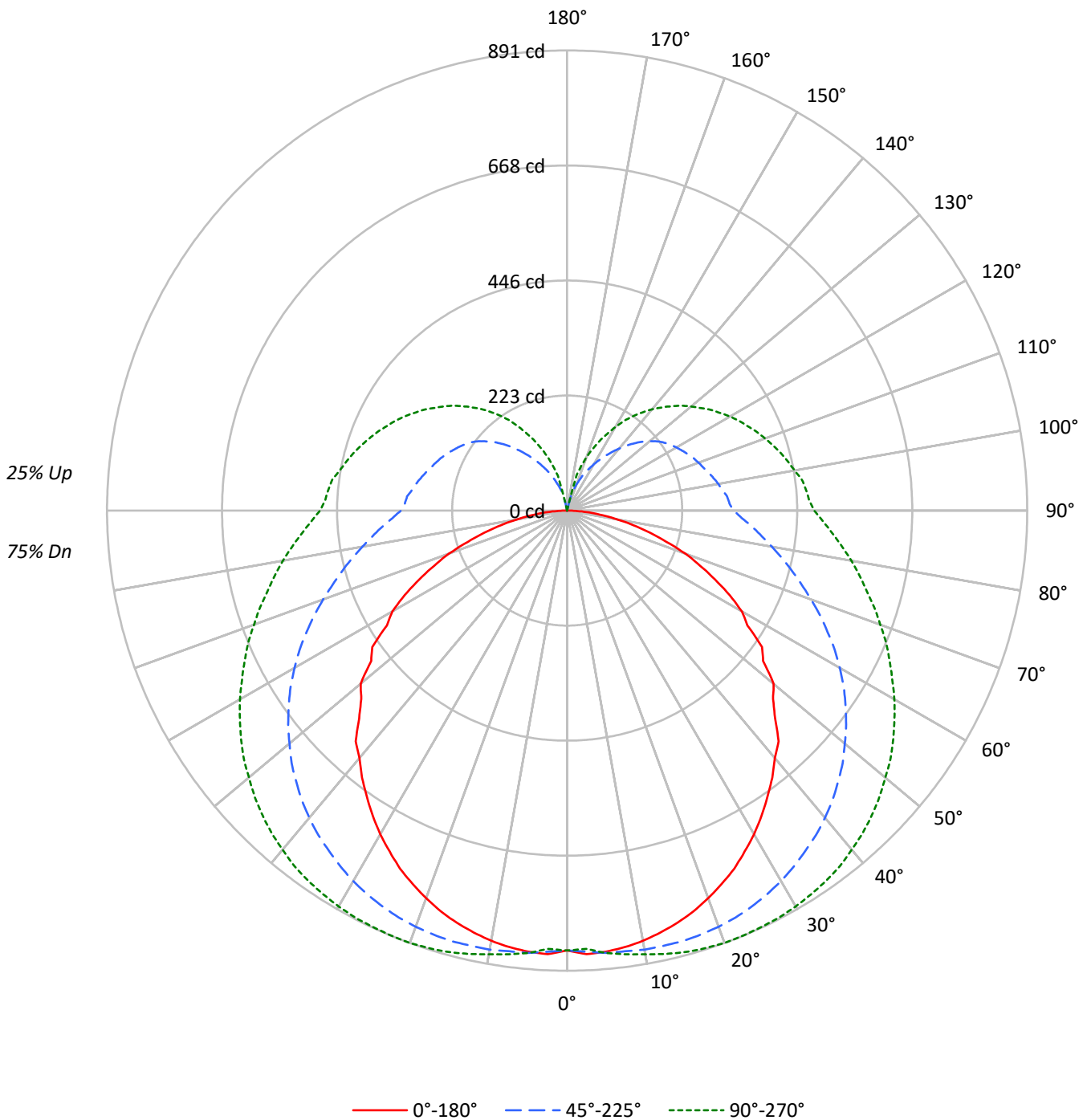
Lumens per Lamp: N/A
Luminaire Lumens: 4904.0 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

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	0
RW	70	50	30	10	70	50	30	10	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°	3441	3441	3441
5°	3473	3405	3376
10°	3461	3377	3357
15°	3442	3361	3364
20°	3414	3350	3370
25°	3387	3340	3375
30°	3346	3333	3394
35°	3300	3324	3416
40°	3258	3325	3439
45°	3203	3322	3466
50°	3221	3318	3493
55°	3176	3323	3535
60°	3074	3331	3583
65°	2920	3341	3650
70°	2754	3373	3753
75°	2447	3462	3904
80°	2118	3644	4156
85°	1676	4006	4524



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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°	528.2	10.8
70°-80°	447.2	9.1
80°-90°	357.0	7.3
90°-100°	303.1	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	739	771	405
65°	316	421	557	652	689	313
75°	166	294	451	561	600	177
85°	43	189	360	476	516	47
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	352	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	50	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°	851.6	851.6	851.6	851.6	851.6
2.5°	859.7	850.4	855.1	853.9	849.3
5°	857.4	850.4	859.7	859.7	859.7
7.5°	852.7	848.1	860.8	865.4	866.6
10°	845.8	845.8	863.1	870.0	872.3
12.5°	836.6	840.1	863.1	873.5	879.3
15°	826.2	833.2	863.1	879.3	885.0
17.5°	813.6	825.1	860.8	880.4	888.5
20°	798.6	815.9	857.4	880.4	890.8
22.5°	782.5	804.3	852.7	878.1	890.8
25°	765.2	790.5	845.8	875.8	889.6
27.5°	744.4	776.7	837.8	872.3	888.5
30°	723.7	760.6	828.5	867.7	885.0
32.5°	700.6	743.3	817.0	860.8	880.4
35°	676.4	726.0	804.3	853.9	874.6
37.5°	652.2	705.2	791.7	844.7	867.7
40°	625.7	684.5	776.7	833.2	857.4
42.5°	606.1	662.6	760.6	821.6	847.0
45°	569.3	646.5	742.1	806.7	834.3
47.5°	540.5	615.4	723.7	791.7	820.5
50°	522.0	590.0	701.8	774.4	804.3
52.5°	478.2	572.7	681.0	757.1	789.4
55°	460.9	538.2	658.0	738.7	770.9
57.5°	413.7	514.0	635.0	717.9	751.3
60°	390.7	480.5	609.6	697.2	731.7
62.5°	354.9	451.7	584.2	674.1	709.9
65°	315.7	420.6	556.6	652.2	689.1
67.5°	278.9	389.5	530.1	629.2	668.4
70°	243.1	357.2	502.4	606.1	645.3
72.5°	201.7	325.0	475.9	584.2	623.4
75°	165.9	293.9	450.6	561.2	600.4
77.5°	131.4	263.9	426.4	540.5	579.6
80°	99.1	235.1	402.2	518.6	558.9
82.5°	69.1	210.9	380.3	497.8	537.0
85°	42.6	189.0	359.5	475.9	516.3
87.5°	19.6	169.4	338.8	455.2	496.7
90°	2.3	154.4	321.5	437.9	478.2
92.5°	1.2	149.8	314.6	429.8	469.0
95°	0.0	145.2	311.1	425.2	464.4
97.5°	0.0	140.6	303.1	418.3	458.6
100°	0.0	138.3	297.3	407.9	447.1
102.5°	0.0	134.8	290.4	398.7	437.9
105°	0.0	133.7	283.5	390.7	428.7
107.5°	0.0	131.4	276.6	380.3	418.3
110°	0.0	129.1	270.8	371.1	407.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	126.8	265.0	361.8	397.6
115°	0.0	124.5	258.1	351.5	386.0
117.5°	0.0	121.0	251.2	341.1	375.7
120°	0.0	116.4	244.3	331.9	364.1
122.5°	0.0	111.8	237.4	320.4	351.5
125°	0.0	107.2	229.3	310.0	339.9
127.5°	0.0	100.3	220.1	298.5	326.1
130°	0.0	93.3	208.6	286.9	313.4
132.5°	1.2	86.4	197.1	274.3	300.8
135°	0.0	79.5	184.4	261.6	285.8
137.5°	0.0	73.8	170.5	247.8	270.8
140°	0.0	66.8	156.7	231.6	255.8
142.5°	0.0	58.8	142.9	214.3	239.7
145°	0.0	51.9	129.1	195.9	223.6
147.5°	1.2	46.1	116.4	176.3	206.3
150°	1.2	41.5	103.7	156.7	186.7
152.5°	1.2	36.9	91.0	138.3	167.1
155°	1.2	32.3	79.5	119.8	148.7
157.5°	1.2	27.7	66.8	101.4	129.1
160°	1.2	24.2	55.3	85.3	110.6
162.5°	1.2	20.7	44.9	66.8	91.0
165°	1.2	17.3	35.7	49.6	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)