

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1213438

Luminaire Tested: 4SNLED-LD5-47SL-SLW-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4SNLED-LD5-47SL-SLW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

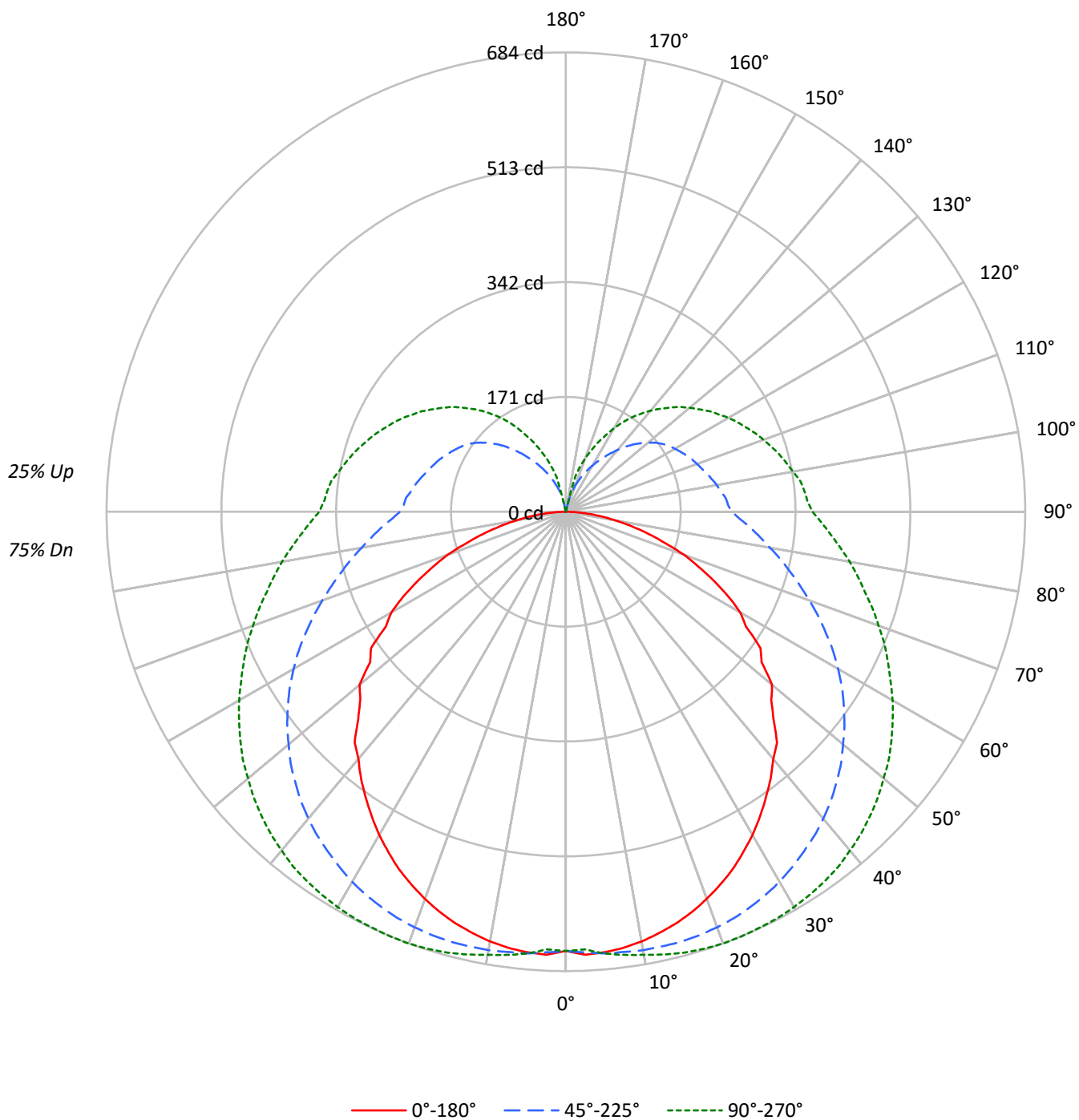
Lumens per Lamp: N/A
Luminaire Lumens: 3766.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 41
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: 24 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
RCR																	
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5285	5285	5285
5°	5326	5224	5185
10°	5301	5176	5156
15°	5264	5148	5166
20°	5215	5126	5176
25°	5164	5107	5184
30°	5093	5092	5212
35°	5015	5072	5247
40°	4939	5069	5282
45°	4845	5059	5324
50°	4859	5046	5365
55°	4774	5047	5430
60°	4600	5050	5503
65°	4346	5055	5606
70°	4062	5092	5765
75°	3562	5211	5996
80°	3008	5463	6384
85°	2234	5972	6949

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 90°

Luminance: 7907 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.9	1.7
10°-20°	186.3	4.9
20°-30°	296.1	7.9
30°-40°	380.0	10.1
40°-50°	429.1	11.4
50°-60°	437.9	11.6
60°-70°	405.7	10.8
70°-80°	343.4	9.1
80°-90°	274.2	7.3
90°-100°	232.8	6.2
100°-110°	207.4	5.5
110°-120°	176.7	4.7
120°-130°	140.3	3.7
130°-140°	99.5	2.6
140°-150°	59.4	1.6
150°-160°	27.7	0.7
160°-170°	6.6	0.2
170°-180°	0.0	0.0
0°-30°	545.3	14.5
0°-40°	925.3	24.6
0°-60°	1792.3	47.6
0°-90°	2815.6	74.8
90°-120°	616.8	16.4
90°-150°	916.1	24.3
90°-180°	950.0	25.2
0°-180°	3766.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	654	654	654	654	654	
5°	658	653	660	660	660	63
15°	634	640	663	675	680	179
25°	588	607	650	673	683	271
35°	520	558	618	656	672	325
45°	437	496	570	620	641	340
55°	354	413	505	567	592	311
65°	242	323	427	501	529	241
75°	127	226	346	431	461	136
85°	33	145	276	366	396	36
90°	2	119	247	336	367	3
95°	0	112	239	326	357	0
105°	0	103	218	300	329	0
115°	0	96	198	270	296	0
125°	0	82	176	238	261	0
135°	0	61	142	201	220	0
145°	0	40	99	150	172	0
155°	1	25	61	92	114	0
165°	1	13	27	38	54	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°	654.0	654.0	654.0	654.0	654.0
2.5°	660.2	653.1	656.6	655.7	652.2
5°	658.4	653.1	660.2	660.2	660.2
7.5°	654.9	651.3	661.1	664.6	665.5
10°	649.6	649.6	662.8	668.1	669.9
12.5°	642.5	645.1	662.8	670.8	675.2
15°	634.5	639.8	662.8	675.2	679.6
17.5°	624.8	633.6	661.1	676.1	682.3
20°	613.3	626.5	658.4	676.1	684.1
22.5°	600.9	617.7	654.9	674.3	684.1
25°	587.6	607.1	649.6	672.6	683.2
27.5°	571.7	596.5	643.4	669.9	682.3
30°	555.7	584.1	636.3	666.4	679.6
32.5°	538.0	570.8	627.4	661.1	676.1
35°	519.5	557.5	617.7	655.7	671.7
37.5°	500.9	541.6	608.0	648.7	666.4
40°	480.5	525.7	596.5	639.8	658.4
42.5°	465.5	508.8	584.1	631.0	650.4
45°	437.2	496.5	569.9	619.5	640.7
47.5°	415.0	472.6	555.7	608.0	630.1
50°	400.9	453.1	538.9	594.7	617.7
52.5°	367.3	439.8	523.0	581.4	606.2
55°	354.0	413.3	505.3	567.3	592.0
57.5°	317.7	394.7	487.6	551.3	577.0
60°	300.0	369.0	468.1	535.4	561.9
62.5°	272.6	346.9	448.7	517.7	545.1
65°	242.5	323.0	427.4	500.9	529.2
67.5°	214.2	299.1	407.1	483.2	513.3
70°	186.7	274.3	385.8	465.5	495.6
72.5°	154.9	249.6	365.5	448.7	478.8
75°	127.4	225.7	346.0	431.0	461.1
77.5°	100.9	202.7	327.4	415.0	445.1
80°	76.1	180.5	308.8	398.2	429.2
82.5°	53.1	161.9	292.0	382.3	412.4
85°	32.7	145.1	276.1	365.5	396.5
87.5°	15.0	130.1	260.2	349.6	381.4
90°	1.8	118.6	246.9	336.3	367.3
92.5°	0.9	115.0	241.6	330.1	360.2
95°	0.0	111.5	238.9	326.5	356.6
97.5°	0.0	108.0	232.7	321.2	352.2
100°	0.0	106.2	228.3	313.3	343.4
102.5°	0.0	103.5	223.0	306.2	336.3
105°	0.0	102.7	217.7	300.0	329.2
107.5°	0.0	100.9	212.4	292.0	321.2
110°	0.0	99.1	208.0	285.0	313.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	97.3	203.5	277.9	305.3
115°	0.0	95.6	198.2	269.9	296.5
117.5°	0.0	92.9	192.9	261.9	288.5
120°	0.0	89.4	187.6	254.9	279.6
122.5°	0.0	85.8	182.3	246.0	269.9
125°	0.0	82.3	176.1	238.1	261.1
127.5°	0.0	77.0	169.0	229.2	250.4
130°	0.0	71.7	160.2	220.4	240.7
132.5°	0.9	66.4	151.3	210.6	231.0
135°	0.0	61.1	141.6	200.9	219.5
137.5°	0.0	56.6	131.0	190.3	208.0
140°	0.0	51.3	120.4	177.9	196.5
142.5°	0.0	45.1	109.7	164.6	184.1
145°	0.0	39.8	99.1	150.4	171.7
147.5°	0.9	35.4	89.4	135.4	158.4
150°	0.9	31.9	79.6	120.4	143.4
152.5°	0.9	28.3	69.9	106.2	128.3
155°	0.9	24.8	61.1	92.0	114.2
157.5°	0.9	21.2	51.3	77.9	99.1
160°	0.9	18.6	42.5	65.5	85.0
162.5°	0.9	15.9	34.5	51.3	69.9
165°	0.9	13.3	27.4	38.1	54.0
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)