

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: P1213484

Luminaire Tested: 4SNLED-LD5-58SL-SLW-UNV-L935-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213484
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-LD5-58SL-SLW-UNV-L935-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

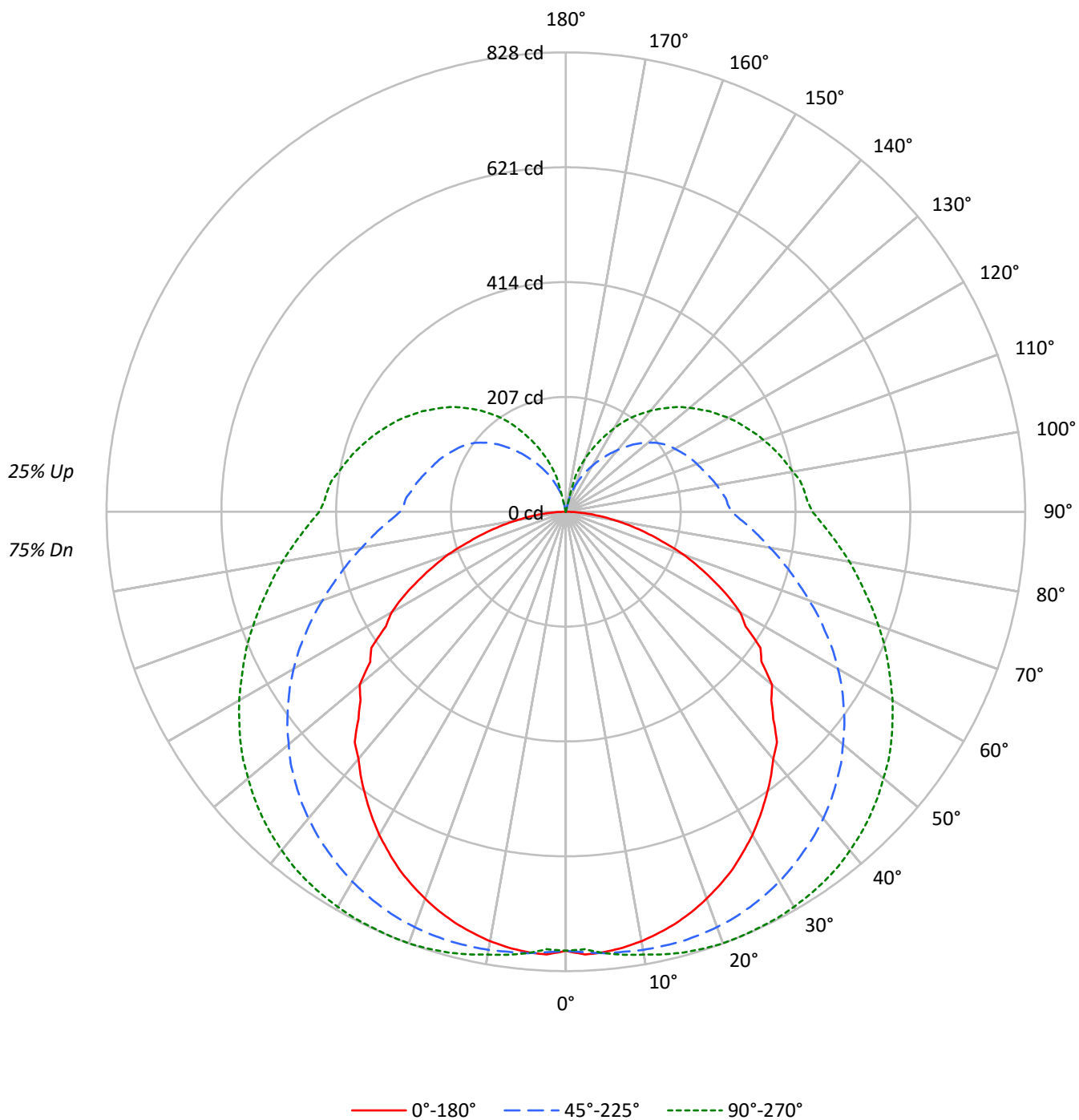
Lumens per Lamp: N/A
Luminaire Lumens: 4557.0 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 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: 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°	6395	6395	6395
5°	6445	6321	6274
10°	6414	6263	6239
15°	6370	6230	6251
20°	6310	6202	6262
25°	6249	6180	6273
30°	6164	6161	6307
35°	6068	6138	6349
40°	5978	6133	6391
45°	5862	6121	6442
50°	5880	6106	6492
55°	5776	6106	6571
60°	5566	6112	6660
65°	5258	6117	6784
70°	4915	6163	6975
75°	4312	6306	7255
80°	3641	6611	7724
85°	2705	7227	8407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 90°

Luminance: 9567 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.1	1.7
10°-20°	225.4	4.9
20°-30°	358.3	7.9
30°-40°	459.9	10.1
40°-50°	519.3	11.4
50°-60°	529.9	11.6
60°-70°	490.9	10.8
70°-80°	415.6	9.1
80°-90°	331.7	7.3
90°-100°	281.7	6.2
100°-110°	251.0	5.5
110°-120°	213.8	4.7
120°-130°	169.8	3.7
130°-140°	120.4	2.6
140°-150°	71.9	1.6
150°-160°	33.5	0.7
160°-170°	8.0	0.2
170°-180°	0.0	0.0
0°-30°	659.8	14.5
0°-40°	1119.6	24.6
0°-60°	2168.8	47.6
0°-90°	3407.0	74.8
90°-120°	746.4	16.4
90°-150°	1108.5	24.3
90°-180°	1150.0	25.2
0°-180°	4557.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	791	791	791	791	791	
5°	797	790	799	799	799	76
15°	768	774	802	817	822	217
25°	711	735	786	814	827	327
35°	629	675	747	794	813	394
45°	529	601	690	750	775	411
55°	428	500	611	686	716	376
65°	293	391	517	606	640	291
75°	154	273	419	522	558	164
85°	40	176	334	442	480	43
90°	2	144	299	407	444	3
95°	0	135	289	395	432	0
105°	0	124	263	363	398	0
115°	0	116	240	327	359	0
125°	0	100	213	288	316	0
135°	0	74	171	243	266	0
145°	0	48	120	182	208	0
155°	1	30	74	111	138	1
165°	1	16	33	46	65	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°	791.3	791.3	791.3	791.3	791.3
2.5°	798.8	790.3	794.5	793.5	789.2
5°	796.7	790.3	798.8	798.8	798.8
7.5°	792.4	788.1	799.9	804.2	805.3
10°	786.0	786.0	802.0	808.5	810.6
12.5°	777.4	780.6	802.0	811.7	817.0
15°	767.8	774.2	802.0	817.0	822.4
17.5°	756.0	766.7	799.9	818.1	825.6
20°	742.1	758.1	796.7	818.1	827.7
22.5°	727.1	747.4	792.4	816.0	827.7
25°	711.0	734.6	786.0	813.8	826.7
27.5°	691.8	721.7	778.5	810.6	825.6
30°	672.5	706.7	769.9	806.3	822.4
32.5°	651.1	690.7	759.2	799.9	818.1
35°	628.6	674.6	747.4	793.5	812.8
37.5°	606.1	655.3	735.7	784.9	806.3
40°	581.5	636.1	721.7	774.2	796.7
42.5°	563.3	615.7	706.7	763.5	787.1
45°	529.0	600.7	689.6	749.6	775.3
47.5°	502.2	571.8	672.5	735.7	762.4
50°	485.1	548.3	652.1	719.6	747.4
52.5°	444.4	532.2	632.9	703.5	733.5
55°	428.3	500.1	611.4	686.4	716.4
57.5°	384.4	477.6	590.0	667.1	698.2
60°	363.0	446.5	566.5	647.8	680.0
62.5°	329.8	419.8	542.9	626.4	659.6
65°	293.4	390.8	517.2	606.1	640.4
67.5°	259.1	361.9	492.6	584.7	621.1
70°	225.9	332.0	466.9	563.3	599.7
72.5°	187.4	302.0	442.2	542.9	579.3
75°	154.2	273.1	418.7	521.5	557.9
77.5°	122.1	245.2	396.2	502.2	538.6
80°	92.1	218.4	373.7	481.9	519.3
82.5°	64.2	196.0	353.4	462.6	499.0
85°	39.6	175.6	334.1	442.2	479.7
87.5°	18.2	157.4	314.8	423.0	461.5
90°	2.1	143.5	298.8	406.9	444.4
92.5°	1.1	139.2	292.3	399.4	435.8
95°	0.0	134.9	289.1	395.1	431.5
97.5°	0.0	130.6	281.6	388.7	426.2
100°	0.0	128.5	276.3	379.1	415.5
102.5°	0.0	125.3	269.8	370.5	406.9
105°	0.0	124.2	263.4	363.0	398.3
107.5°	0.0	122.1	257.0	353.4	388.7
110°	0.0	119.9	251.6	344.8	379.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	117.8	246.3	336.2	369.4
115°	0.0	115.6	239.9	326.6	358.7
117.5°	0.0	112.4	233.4	317.0	349.1
120°	0.0	108.2	227.0	308.4	338.4
122.5°	0.0	103.9	220.6	297.7	326.6
125°	0.0	99.6	213.1	288.1	315.9
127.5°	0.0	93.2	204.5	277.3	303.0
130°	0.0	86.7	193.8	266.6	291.3
132.5°	1.1	80.3	183.1	254.9	279.5
135°	0.0	73.9	171.3	243.1	265.6
137.5°	0.0	68.5	158.5	230.2	251.6
140°	0.0	62.1	145.6	215.2	237.7
142.5°	0.0	54.6	132.8	199.2	222.7
145°	0.0	48.2	119.9	182.0	207.7
147.5°	1.1	42.8	108.2	163.8	191.7
150°	1.1	38.5	96.4	145.6	173.5
152.5°	1.1	34.3	84.6	128.5	155.3
155°	1.1	30.0	73.9	111.4	138.1
157.5°	1.1	25.7	62.1	94.2	119.9
160°	1.1	22.5	51.4	79.2	102.8
162.5°	1.1	19.3	41.8	62.1	84.6
165°	1.1	16.1	33.2	46.0	65.3
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)