

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: P1213749

Luminaire Tested: 4SNLED-LD5-32SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/29/2018
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4SNLED-LD5-32SL-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

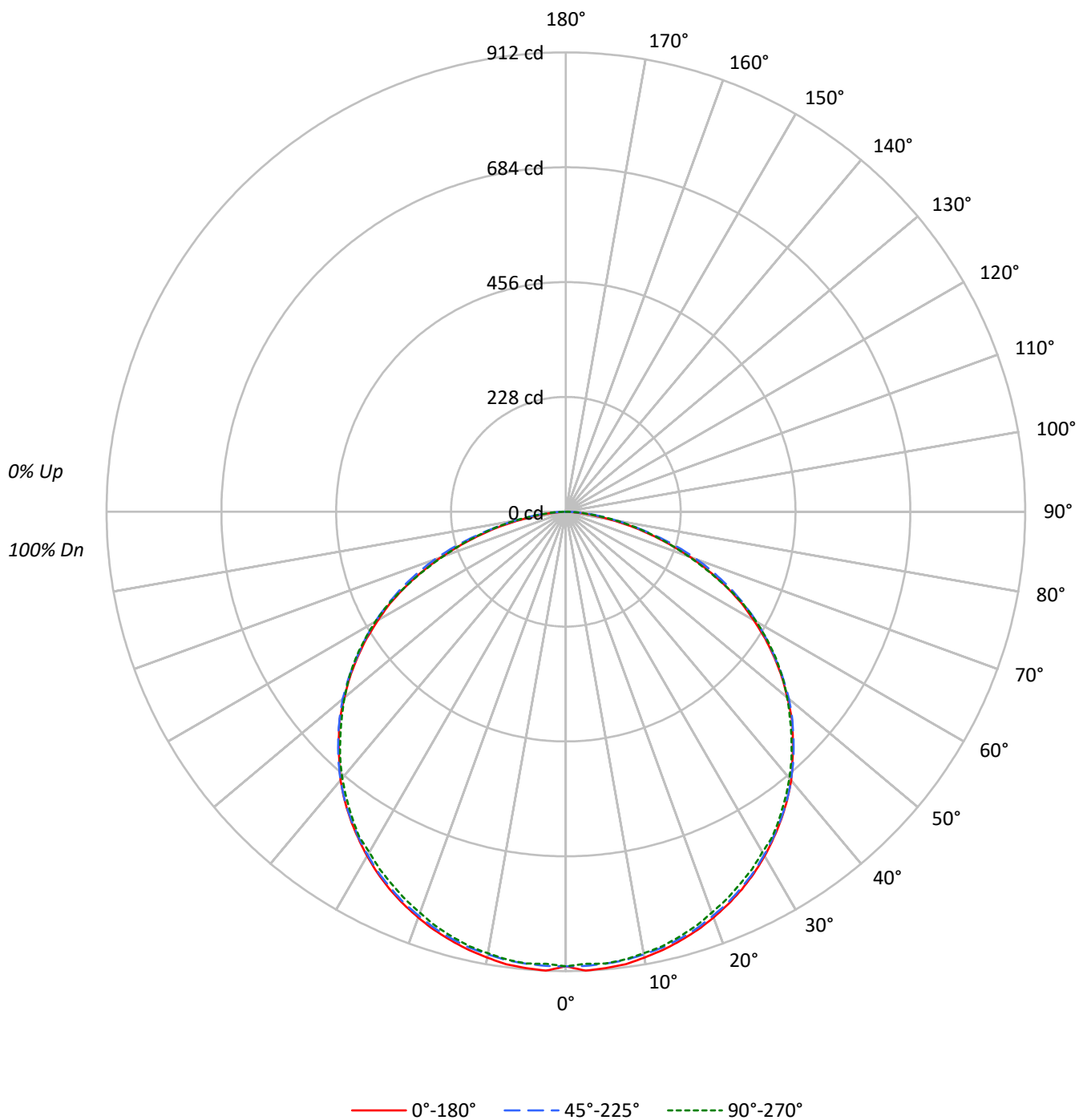
Lumens per Lamp: N/A
Luminaire Lumens: 2707.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	101	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7292	7292	7292
5°	7358	7126	7069
10°	7335	6970	6851
15°	7311	6814	6637
20°	7290	6646	6408
25°	7269	6479	6194
30°	7235	6299	5984
35°	7198	6112	5782
40°	7155	5912	5540
45°	7065	5675	5263
50°	6957	5417	4981
55°	6823	5071	4678
60°	6604	4720	4280
65°	6281	4263	3723
70°	5725	3663	3018
75°	4863	2795	2320
80°	3633	1842	1522
85°	1879	896	678

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7065 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	3.2
10°-20°	247.0	9.1
20°-30°	378.1	14.0
30°-40°	463.2	17.1
40°-50°	490.0	18.1
50°-60°	452.3	16.7
60°-70°	349.1	12.9
70°-80°	193.8	7.2
80°-90°	48.0	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	710.7	26.3
0°-40°	1174.0	43.4
0°-60°	2116.2	78.2
0°-90°	2707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2707.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	910	898	901	898	900	86
15°	881	871	877	874	873	249
25°	827	817	824	817	816	381
35°	746	738	744	736	740	467
45°	638	632	639	632	633	492
55°	506	502	508	507	510	452
65°	350	347	360	358	351	346
75°	174	184	186	185	178	184
85°	28	40	41	42	39	37
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	902.4	902.4	902.4	902.4	902.4
2.5°	911.8	900.1	902.4	901.0	898.3
5°	909.6	897.9	900.6	898.3	900.1
7.5°	906.0	893.4	897.9	894.7	896.5
10°	898.8	888.0	892.5	888.9	890.2
12.5°	891.1	879.9	886.2	881.7	883.5
15°	881.2	870.8	877.2	874.0	873.1
17.5°	870.4	860.5	866.8	863.2	861.8
20°	857.3	847.9	853.7	848.3	847.0
22.5°	842.9	833.5	840.2	832.6	833.0
25°	827.1	817.2	824.0	816.8	816.3
27.5°	809.1	799.7	806.9	799.2	800.1
30°	789.3	779.8	787.1	779.4	780.3
32.5°	767.7	760.0	766.3	759.1	764.1
35°	745.6	737.5	744.3	736.1	740.2
37.5°	721.7	714.1	721.3	712.3	715.9
40°	696.0	689.3	695.6	687.5	690.6
42.5°	666.3	662.3	668.6	660.5	663.2
45°	637.5	631.6	639.3	632.5	633.4
47.5°	608.6	602.3	609.5	603.7	603.2
50°	574.0	571.7	578.5	574.0	573.5
52.5°	541.1	536.6	543.8	541.5	542.9
55°	505.9	501.9	507.7	507.3	510.0
57.5°	469.4	465.4	473.0	472.1	474.4
60°	430.7	427.5	437.5	435.2	437.0
62.5°	392.9	387.0	399.6	397.8	396.9
65°	350.5	346.9	360.4	358.2	351.4
67.5°	306.8	305.5	319.4	314.9	303.6
70°	263.1	264.0	277.5	269.0	259.5
72.5°	217.1	223.9	232.0	225.7	219.0
75°	173.9	184.3	185.6	185.2	178.4
77.5°	131.6	144.6	141.5	144.6	139.2
80°	91.9	106.3	104.1	106.8	102.3
82.5°	56.8	69.8	70.3	72.1	68.0
85°	27.5	40.5	41.4	41.9	38.7
87.5°	5.9	18.9	19.4	18.0	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)