

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: P1213675

Luminaire Tested: 2SNLED-LD5-20SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213675
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: 2SNLED-LD5-20SL-UNV-L940-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

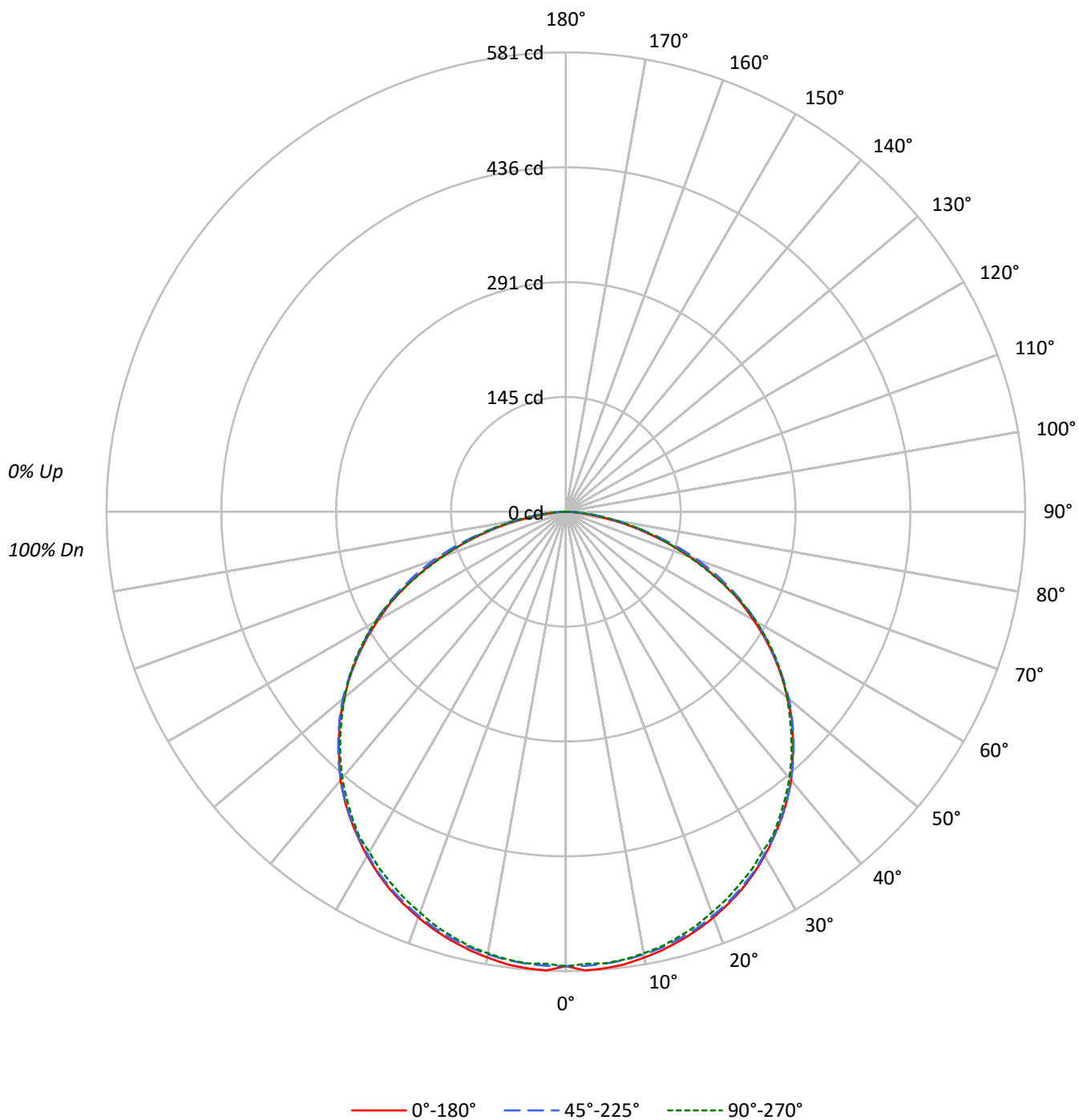
Lumens per Lamp: N/A
Luminaire Lumens: 1724.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 14
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°	9288	9288	9288
5°	9347	9061	9005
10°	9291	8845	8728
15°	9235	8631	8453
20°	9182	8404	8162
25°	9128	8178	7890
30°	9055	7935	7622
35°	8977	7686	7365
40°	8887	7419	7056
45°	8734	7105	6704
50°	8553	6766	6344
55°	8335	6319	5958
60°	8000	5862	5451
65°	7527	5274	4742
70°	6759	4512	3845
75°	5610	3424	2955
80°	4020	2239	1937
85°	1893	1079	866

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8734 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.5	3.2
10°-20°	157.3	9.1
20°-30°	240.8	14.0
30°-40°	295.0	17.1
40°-50°	312.0	18.1
50°-60°	288.0	16.7
60°-70°	222.3	12.9
70°-80°	123.4	7.2
80°-90°	30.6	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°	452.6	26.3
0°-40°	747.7	43.4
0°-60°	1347.7	78.2
0°-90°	1724.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	575	575	575	575	575	
5°	579	572	574	572	573	55
15°	561	555	559	557	556	159
25°	527	520	525	520	520	243
35°	475	470	474	469	471	297
45°	406	402	407	403	403	313
55°	322	320	323	323	325	288
65°	223	221	230	228	224	220
75°	111	117	118	118	114	118
85°	18	26	26	27	25	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	574.7	574.7	574.7	574.7	574.7
2.5°	580.7	573.3	574.7	573.8	572.1
5°	579.3	571.8	573.6	572.1	573.3
7.5°	577.0	569.0	571.8	569.8	571.0
10°	572.4	565.5	568.4	566.1	567.0
12.5°	567.5	560.4	564.4	561.5	562.6
15°	561.2	554.6	558.6	556.6	556.0
17.5°	554.3	548.0	552.0	549.7	548.9
20°	546.0	540.0	543.7	540.3	539.4
22.5°	536.8	530.8	535.1	530.2	530.5
25°	526.8	520.5	524.8	520.2	519.9
27.5°	515.3	509.3	513.9	509.0	509.6
30°	502.7	496.7	501.2	496.4	496.9
32.5°	488.9	484.0	488.1	483.5	486.6
35°	474.9	469.7	474.0	468.8	471.4
37.5°	459.6	454.8	459.4	453.6	455.9
40°	443.3	439.0	443.0	437.8	439.8
42.5°	424.4	421.8	425.8	420.6	422.3
45°	406.0	402.3	407.1	402.8	403.4
47.5°	387.6	383.6	388.2	384.5	384.2
50°	365.5	364.1	368.4	365.5	365.2
52.5°	344.6	341.7	346.3	344.9	345.7
55°	322.2	319.6	323.4	323.1	324.8
57.5°	299.0	296.4	301.3	300.7	302.1
60°	274.3	272.3	278.6	277.2	278.3
62.5°	250.2	246.5	254.5	253.3	252.8
65°	223.2	220.9	229.5	228.1	223.8
67.5°	195.4	194.5	203.4	200.6	193.4
70°	167.6	168.1	176.7	171.3	165.3
72.5°	138.3	142.6	147.8	143.7	139.4
75°	110.8	117.4	118.2	117.9	113.6
77.5°	83.8	92.1	90.1	92.1	88.7
80°	58.5	67.7	66.3	68.0	65.1
82.5°	36.2	44.5	44.8	45.9	43.3
85°	17.5	25.8	26.4	26.7	24.7
87.5°	3.7	12.1	12.3	11.5	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)