

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: P1214109

Luminaire Tested: 4SNLED-LD5-36SL-UNV-L950-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1214109
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-LD5-36SL-UNV-L950-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

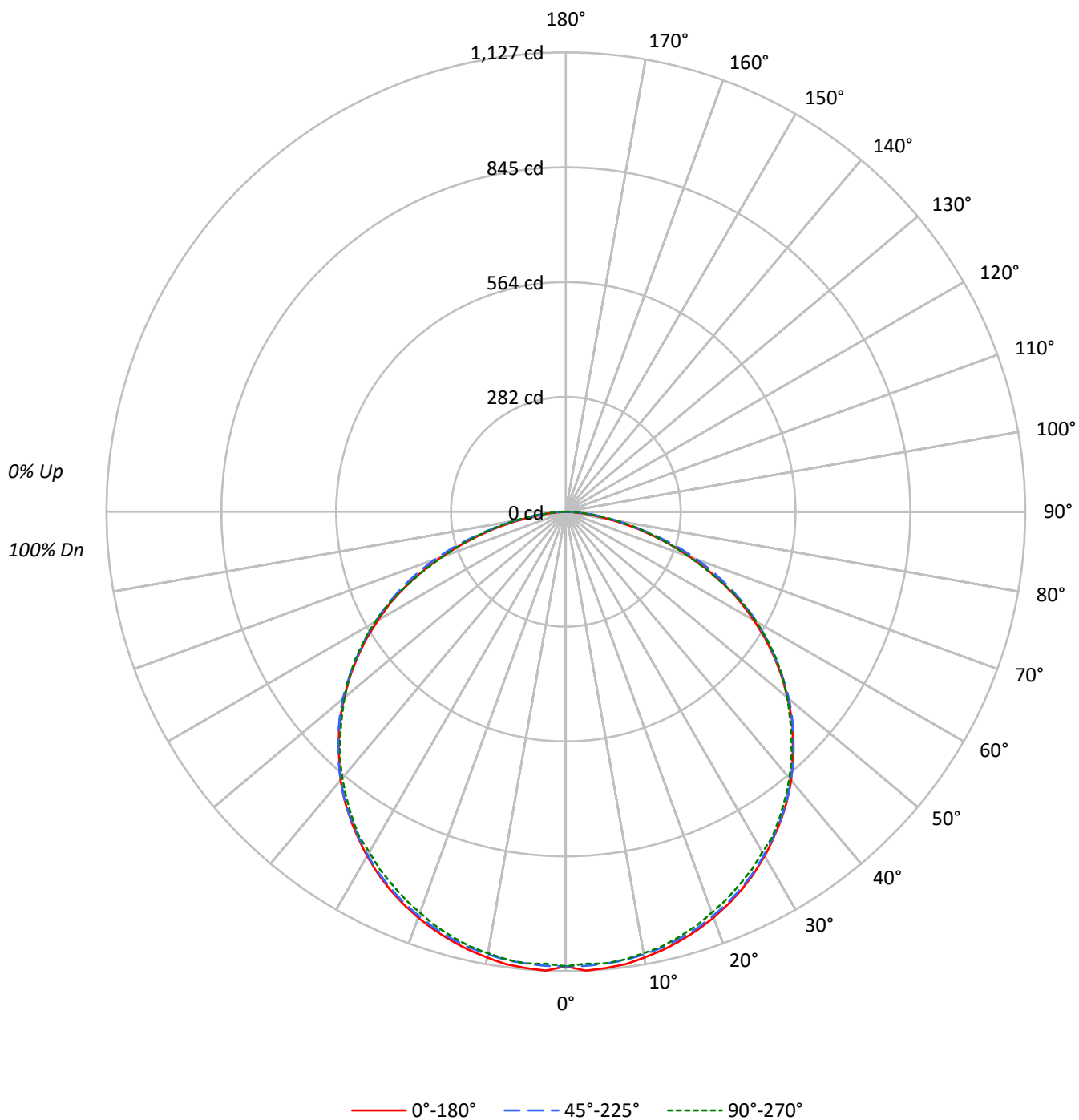
Lumens per Lamp: N/A
Luminaire Lumens: 3345.0 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 25
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°	9011	9011	9011
5°	9093	8805	8736
10°	9063	8613	8466
15°	9034	8419	8201
20°	9008	8212	7919
25°	8983	8005	7654
30°	8939	7783	7395
35°	8894	7552	7145
40°	8841	7305	6846
45°	8729	7012	6504
50°	8596	6693	6156
55°	8432	6266	5780
60°	8160	5833	5289
65°	7761	5268	4600
70°	7074	4526	3730
75°	6009	3455	2867
80°	4491	2275	1880
85°	2323	1107	839

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8729 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	3.2
10°-20°	305.2	9.1
20°-30°	467.2	14.0
30°-40°	572.4	17.1
40°-50°	605.4	18.1
50°-60°	558.8	16.7
60°-70°	431.3	12.9
70°-80°	239.4	7.2
80°-90°	59.3	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°	878.2	26.3
0°-40°	1450.6	43.4
0°-60°	2614.9	78.2
0°-90°	3345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1124	1110	1113	1110	1112	107
15°	1089	1076	1084	1080	1079	308
25°	1022	1010	1018	1009	1009	471
35°	921	911	920	910	915	576
45°	788	780	790	782	783	608
55°	625	620	627	627	630	558
65°	433	429	445	443	434	427
75°	215	228	229	229	220	228
85°	34	50	51	52	48	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1115.1	1115.1	1115.1	1115.1	1115.1
2.5°	1126.8	1112.3	1115.1	1113.4	1110.1
5°	1124.0	1109.5	1112.8	1110.1	1112.3
7.5°	1119.5	1103.9	1109.5	1105.6	1107.8
10°	1110.6	1097.2	1102.8	1098.4	1100.0
12.5°	1101.1	1087.2	1095.0	1089.5	1091.7
15°	1088.9	1076.1	1083.9	1080.0	1078.9
17.5°	1075.5	1063.3	1071.1	1066.6	1065.0
20°	1059.4	1047.7	1054.9	1048.3	1046.6
22.5°	1041.6	1029.9	1038.2	1028.8	1029.3
25°	1022.1	1009.8	1018.2	1009.3	1008.7
27.5°	999.8	988.1	997.0	987.6	988.7
30°	975.3	963.6	972.5	963.1	964.2
32.5°	948.6	939.1	946.9	938.0	944.2
35°	921.3	911.3	919.7	909.6	914.7
37.5°	891.8	882.4	891.3	880.1	884.6
40°	860.1	851.7	859.5	849.5	853.4
42.5°	823.4	818.3	826.1	816.1	819.5
45°	787.7	780.5	790.0	781.6	782.7
47.5°	752.1	744.3	753.2	746.0	745.4
50°	709.2	706.4	714.8	709.2	708.7
52.5°	668.6	663.0	671.9	669.1	670.8
55°	625.2	620.2	627.4	626.8	630.2
57.5°	580.1	575.1	584.5	583.4	586.2
60°	532.2	528.3	540.6	537.8	540.0
62.5°	485.4	478.2	493.8	491.6	490.5
65°	433.1	428.7	445.4	442.6	434.2
67.5°	379.1	377.4	394.7	389.1	375.2
70°	325.1	326.2	342.9	332.3	320.7
72.5°	268.3	276.7	286.7	278.9	270.6
75°	214.9	227.7	229.4	228.8	220.5
77.5°	162.6	178.7	174.8	178.7	172.0
80°	113.6	131.4	128.6	131.9	126.4
82.5°	70.1	86.3	86.8	89.1	84.1
85°	34.0	50.1	51.2	51.8	47.9
87.5°	7.2	23.4	23.9	22.3	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)