

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: P1213780

Luminaire Tested: 4SNLED-LD5-44SL-UNV-L940-CD1-U

Issue Date: 3/29/2018

Test Information

Test Method: LM-79-2019
Report Number: P1213780
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-LD5-44SL-UNV-L940-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

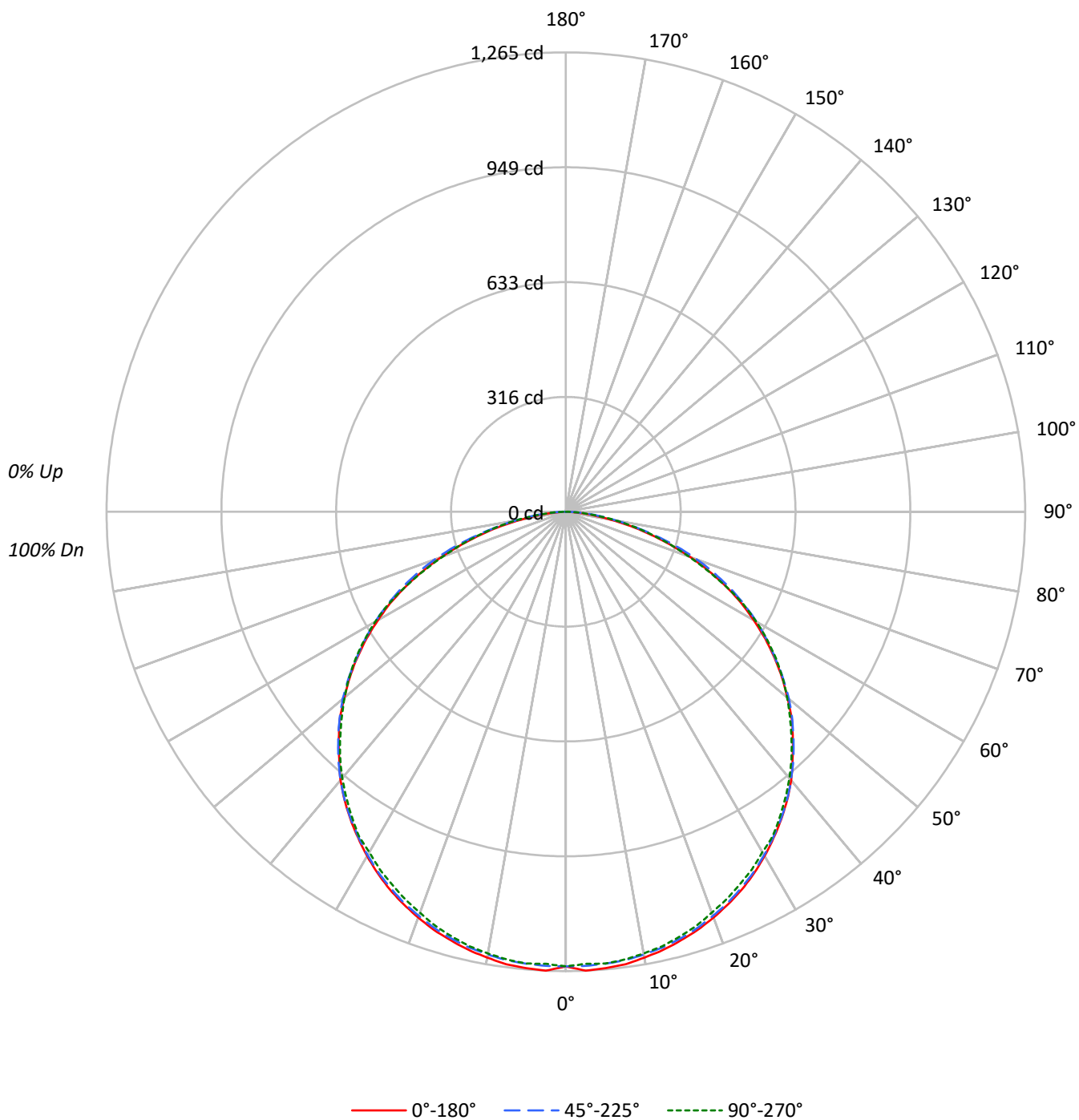
Lumens per Lamp: N/A
Luminaire Lumens: 3755.0 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 31
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83		
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69		
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58		
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49		
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42		
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37		
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33		
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29		
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26		
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10115	10115	10115
5°	10207	9885	9806
10°	10174	9668	9504
15°	10142	9451	9206
20°	10112	9219	8889
25°	10084	8987	8593
30°	10036	8737	8301
35°	9985	8478	8021
40°	9925	8200	7685
45°	9800	7871	7301
50°	9650	7513	6910
55°	9465	7034	6488
60°	9159	6547	5937
65°	8713	5913	5163
70°	7942	5082	4187
75°	6744	3878	3219
80°	5040	2554	2111
85°	2603	1244	941

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9800 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	3.2
10°-20°	342.6	9.1
20°-30°	524.5	14.0
30°-40°	642.6	17.1
40°-50°	679.7	18.1
50°-60°	627.4	16.7
60°-70°	484.2	12.9
70°-80°	268.8	7.2
80°-90°	66.6	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°	985.9	26.3
0°-40°	1628.4	43.4
0°-60°	2935.5	78.2
0°-90°	3755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3755.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1252	1252	1252	1252	1252	
5°	1262	1246	1249	1246	1249	120
15°	1222	1208	1217	1212	1211	345
25°	1147	1134	1143	1133	1132	529
35°	1034	1023	1032	1021	1027	647
45°	884	876	887	877	879	682
55°	702	696	704	704	707	626
65°	486	481	500	497	487	479
75°	241	256	258	257	248	256
85°	38	56	58	58	54	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1251.7	1251.7	1251.7	1251.7	1251.7
2.5°	1264.9	1248.6	1251.7	1249.9	1246.1
5°	1261.7	1245.5	1249.2	1246.1	1248.6
7.5°	1256.7	1239.2	1245.5	1241.1	1243.6
10°	1246.7	1231.7	1238.0	1233.0	1234.9
12.5°	1236.1	1220.5	1229.2	1223.0	1225.5
15°	1222.4	1208.0	1216.7	1212.4	1211.1
17.5°	1207.4	1193.6	1202.4	1197.4	1195.5
20°	1189.2	1176.1	1184.2	1176.7	1174.9
22.5°	1169.2	1156.1	1165.5	1154.9	1155.5
25°	1147.4	1133.6	1143.0	1133.0	1132.4
27.5°	1122.4	1109.3	1119.3	1108.6	1109.9
30°	1094.9	1081.8	1091.8	1081.1	1082.4
32.5°	1064.9	1054.3	1063.0	1053.0	1059.9
35°	1034.3	1023.0	1032.4	1021.1	1026.8
37.5°	1001.1	990.5	1000.5	988.0	993.0
40°	965.5	956.1	964.9	953.6	958.0
42.5°	924.3	918.6	927.4	916.2	919.9
45°	884.3	876.2	886.8	877.4	878.7
47.5°	844.3	835.5	845.5	837.4	836.8
50°	796.2	793.0	802.4	796.2	795.5
52.5°	750.5	744.3	754.3	751.2	753.0
55°	701.8	696.2	704.3	703.7	707.4
57.5°	651.2	645.6	656.2	654.9	658.1
60°	597.4	593.1	606.8	603.7	606.2
62.5°	544.9	536.8	554.3	551.8	550.6
65°	486.2	481.2	499.9	496.8	487.4
67.5°	425.6	423.7	443.1	436.8	421.2
70°	365.0	366.2	385.0	373.1	360.0
72.5°	301.2	310.6	321.8	313.1	303.7
75°	241.2	255.6	257.5	256.8	247.5
77.5°	182.5	200.6	196.2	200.6	193.1
80°	127.5	147.5	144.4	148.1	141.9
82.5°	78.7	96.9	97.5	100.0	94.4
85°	38.1	56.2	57.5	58.1	53.7
87.5°	8.1	26.2	26.9	25.0	21.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)