

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P218636

Luminaire Tested: **2SNLED-LD5-25SL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35689)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-25SL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 2FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2699.0 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 2' x H: 0.17')
CIE Type: Direct

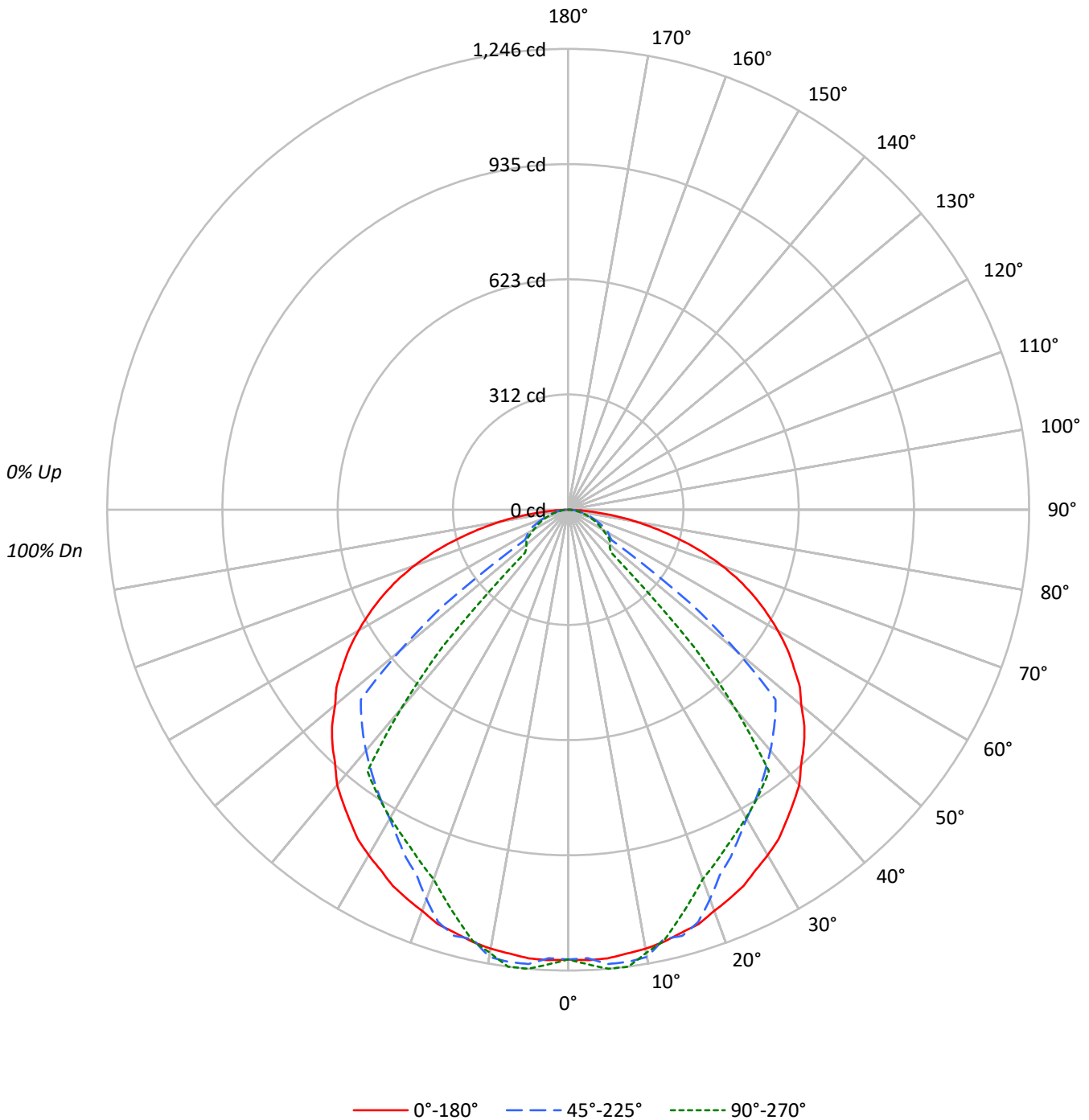
Input Watts (W): 20.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87					87			
2	102	95	89	84	99	93	87	83	89	85	81	86	82	79	83	80	77	75					75			
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65					65			
4	87	76	68	62	84	74	67	61	72	66	61	70	64	60	68	63	59	57					57			
5	80	68	60	54	78	67	60	54	65	59	53	63	57	53	62	56	52	50					50			
6	74	62	54	48	73	61	53	48	59	53	47	58	52	47	56	51	47	45					45			
7	69	57	49	43	68	56	48	43	54	48	42	53	47	42	52	46	42	40					40			
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36					36			
9	61	48	40	35	59	47	40	35	46	40	35	45	39	35	44	39	34	33					33			
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30					30			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39198	39198	39198
5°	39107	37388	37063
10°	38864	35391	33836
15°	38635	33007	30229
20°	38423	30052	26725
25°	38402	27181	24445
30°	38285	24879	22684
35°	38199	23250	21175
40°	38191	21774	16134
45°	37900	20417	3753
50°	37487	15607	3381
55°	37384	3815	3094
60°	36861	3471	2524
65°	35875	2926	2083
70°	33876	2264	1629
75°	29667	1681	1184
80°	23401	1125	743
85°	12525	640	336



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.4	4.4
10°-20°	332.9	12.3
20°-30°	490.2	18.2
30°-40°	590.1	21.9
40°-50°	505.4	18.7
50°-60°	327.0	12.1
60°-70°	217.4	8.1
70°-80°	92.7	3.4
80°-90°	25.9	1.0
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°	940.5	34.8
0°-40°	1530.6	56.7
0°-60°	2363.0	87.5
0°-90°	2699.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2699.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1216	1216	1216	1216	1216	
5°	1218	1222	1233	1247	1246	116
15°	1184	1216	1192	1167	1149	335
25°	1122	1129	1038	1015	1008	517
35°	1028	988	908	915	915	644
45°	901	801	791	483	165	695
55°	745	632	142	135	134	666
65°	555	398	101	87	86	547
75°	312	73	52	46	45	331
85°	66	20	17	13	11	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1216.3	1216.3	1216.3	1216.3	1216.3
2.5°	1219.1	1214.9	1213.5	1229.0	1230.4
5°	1217.7	1222.0	1233.2	1247.3	1245.9
7.5°	1210.7	1224.8	1233.2	1254.3	1245.9
10°	1205.1	1230.4	1227.6	1229.0	1216.3
12.5°	1196.6	1220.6	1189.6	1210.7	1193.8
15°	1183.9	1216.3	1192.4	1167.1	1148.8
17.5°	1174.1	1207.9	1168.5	1107.9	1105.1
20°	1154.4	1172.7	1120.6	1077.0	1062.9
22.5°	1138.9	1160.0	1069.9	1040.4	1036.1
25°	1122.0	1129.0	1037.5	1015.0	1008.0
27.5°	1098.1	1112.2	999.5	988.3	984.0
30°	1078.4	1078.4	964.3	964.3	961.5
32.5°	1057.2	1033.3	937.6	939.0	939.0
35°	1027.7	988.3	908.0	915.1	915.1
37.5°	999.5	933.4	878.5	889.7	891.1
40°	971.4	891.1	850.3	863.0	705.3
42.5°	932.0	844.7	820.7	664.5	502.6
45°	901.0	801.0	791.2	482.9	164.7
47.5°	865.8	758.8	760.2	153.4	152.0
50°	822.1	715.2	595.5	145.0	147.8
52.5°	789.8	675.7	419.5	140.8	142.2
55°	744.7	632.1	142.2	135.1	133.7
57.5°	702.5	591.3	132.3	125.3	119.7
60°	654.6	547.6	125.3	111.2	107.0
62.5°	605.3	504.0	115.4	98.5	95.7
65°	554.7	398.4	101.4	87.3	85.9
67.5°	501.2	261.8	85.9	77.4	76.0
70°	442.0	102.8	74.6	67.6	64.8
72.5°	380.1	88.7	63.4	57.7	54.9
75°	312.5	73.2	52.1	46.5	45.0
77.5°	249.2	54.9	42.2	36.6	35.2
80°	185.8	40.8	32.4	28.2	26.7
82.5°	126.7	29.6	23.9	19.7	18.3
85°	66.2	19.7	16.9	12.7	11.3
87.5°	25.3	12.7	9.9	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)