

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: P218556

Luminaire Tested: **4SNLED-LD5-25SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218556
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: 4SNLED-LD5-25SL-RW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2608.0 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.19 / 1.33
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

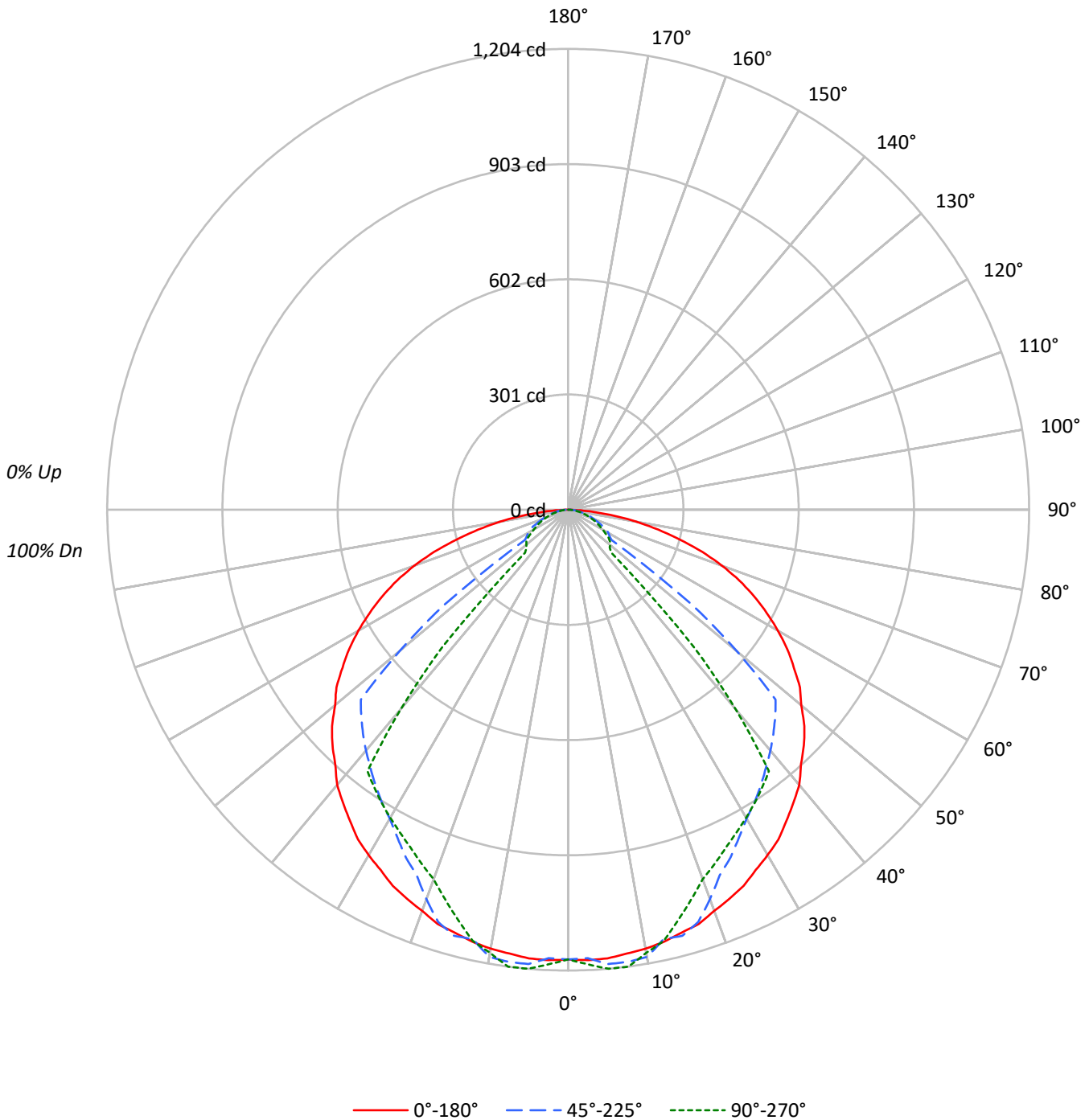
Input Watts (W): 19.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18938	18938	18938
5°	18964	18107	17907
10°	18913	17178	16348
15°	18873	16053	14604
20°	18842	14642	12911
25°	18908	13268	11810
30°	18932	12164	10960
35°	18979	11386	10230
40°	19075	10681	7795
45°	19044	10032	1814
50°	18970	7681	1633
55°	19078	1881	1495
60°	19012	1715	1220
65°	18757	1447	1006
70°	18051	1123	787
75°	16267	835	572
80°	13475	561	359
85°	7998	320	162



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	4.4
10°-20°	321.6	12.3
20°-30°	473.7	18.2
30°-40°	570.2	21.9
40°-50°	488.3	18.7
50°-60°	316.0	12.1
60°-70°	210.0	8.1
70°-80°	89.6	3.4
80°-90°	25.0	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°	908.8	34.8
0°-40°	1479.0	56.7
0°-60°	2283.3	87.6
0°-90°	2608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1175	1175	1175	1175	1175	
5°	1177	1181	1192	1205	1204	112
15°	1144	1175	1152	1128	1110	324
25°	1084	1091	1003	981	974	499
35°	993	955	877	884	884	622
45°	871	774	764	467	159	671
55°	720	611	137	131	129	643
65°	536	385	98	84	83	529
75°	302	71	50	45	44	320
85°	64	19	16	12	11	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1175.3	1175.3	1175.3	1175.3	1175.3
2.5°	1178.0	1174.0	1172.6	1187.6	1188.9
5°	1176.7	1180.8	1191.6	1205.2	1203.9
7.5°	1169.9	1183.5	1191.6	1212.0	1203.9
10°	1164.4	1188.9	1186.2	1187.6	1175.3
12.5°	1156.3	1179.4	1149.5	1169.9	1153.6
15°	1144.0	1175.3	1152.2	1127.7	1110.0
17.5°	1134.5	1167.2	1129.1	1070.6	1067.9
20°	1115.5	1133.1	1082.8	1040.6	1027.0
22.5°	1100.5	1120.9	1033.8	1005.3	1001.2
25°	1084.2	1091.0	1002.6	980.8	974.0
27.5°	1061.1	1074.7	965.8	954.9	950.9
30°	1042.0	1042.0	931.8	931.8	929.1
32.5°	1021.6	998.5	906.0	907.3	907.3
35°	993.0	954.9	877.4	884.2	884.2
37.5°	965.8	901.9	848.8	859.7	861.1
40°	938.6	861.1	821.6	833.9	681.5
42.5°	900.5	816.2	793.1	642.1	485.6
45°	870.6	774.0	764.5	466.6	159.2
47.5°	836.6	733.2	734.6	148.3	146.9
50°	794.4	691.0	575.4	140.1	142.8
52.5°	763.1	653.0	405.4	136.0	137.4
55°	719.6	610.8	137.4	130.6	129.2
57.5°	678.8	571.3	127.9	121.1	115.6
60°	632.6	529.2	121.1	107.5	103.4
62.5°	584.9	487.0	111.5	95.2	92.5
65°	536.0	385.0	97.9	84.3	83.0
67.5°	484.3	253.0	83.0	74.8	73.5
70°	427.1	99.3	72.1	65.3	62.6
72.5°	367.3	85.7	61.2	55.8	53.1
75°	302.0	70.7	50.3	44.9	43.5
77.5°	240.8	53.1	40.8	35.4	34.0
80°	179.6	39.4	31.3	27.2	25.8
82.5°	122.4	28.6	23.1	19.0	17.7
85°	63.9	19.0	16.3	12.2	10.9
87.5°	24.5	12.2	9.5	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)