

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: P218552

Luminaire Tested: **4SNLED-LD5-21SL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218552
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-LD5-21SL-RW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2199.0 lumens
Efficiency: N/A
Efficacy: 137.4 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

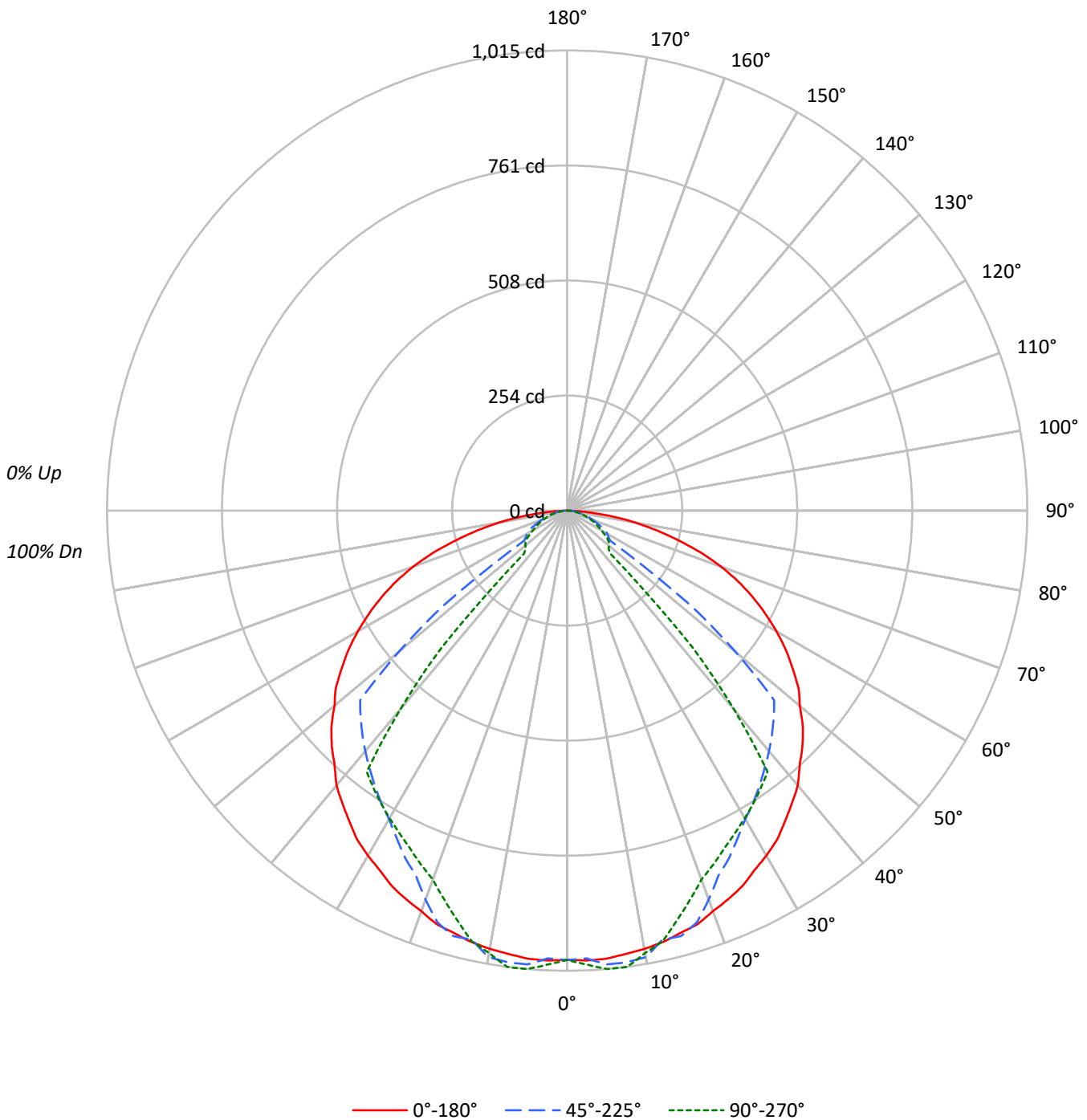
Input Watts (W): 16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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°	15969	15969	15969
5°	15989	15269	15098
10°	15947	14484	13784
15°	15914	13535	12313
20°	15886	12346	10887
25°	15944	11186	9957
30°	15963	10257	9241
35°	16003	9601	8625
40°	16084	9006	6572
45°	16058	8458	1529
50°	15995	6477	1377
55°	16088	1585	1261
60°	16031	1446	1029
65°	15814	1221	849
70°	15224	947	664
75°	13714	704	483
80°	11359	473	303
85°	6746	271	137



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	4.4
10°-20°	271.2	12.3
20°-30°	399.4	18.2
30°-40°	480.8	21.9
40°-50°	411.8	18.7
50°-60°	266.4	12.1
60°-70°	177.1	8.1
70°-80°	75.5	3.4
80°-90°	21.1	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°	766.3	34.8
0°-40°	1247.0	56.7
0°-60°	1925.2	87.5
0°-90°	2199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2199.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	991	991	991	991	991	
5°	992	996	1005	1016	1015	94
15°	965	991	972	951	936	273
25°	914	920	845	827	821	421
35°	837	805	740	746	746	525
45°	734	653	645	393	134	566
55°	607	515	116	110	109	543
65°	452	325	83	71	70	446
75°	255	60	42	38	37	270
85°	54	16	14	10	9	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.0	991.0	991.0	991.0	991.0
2.5°	993.3	989.9	988.7	1001.3	1002.5
5°	992.1	995.6	1004.8	1016.2	1015.1
7.5°	986.4	997.9	1004.8	1022.0	1015.1
10°	981.8	1002.5	1000.2	1001.3	991.0
12.5°	974.9	994.4	969.2	986.4	972.6
15°	964.6	991.0	971.5	950.9	935.9
17.5°	956.6	984.1	952.0	902.7	900.4
20°	940.5	955.4	913.0	877.4	866.0
22.5°	927.9	945.1	871.7	847.6	844.2
25°	914.2	919.9	845.3	827.0	821.2
27.5°	894.7	906.1	814.4	805.2	801.7
30°	878.6	878.6	785.7	785.7	783.4
32.5°	861.4	841.9	763.9	765.0	765.0
35°	837.3	805.2	739.8	745.5	745.5
37.5°	814.4	760.5	715.7	724.9	726.0
40°	791.4	726.0	692.8	703.1	574.6
42.5°	759.3	688.2	668.7	541.4	409.5
45°	734.1	652.6	644.6	393.4	134.2
47.5°	705.4	618.2	619.4	125.0	123.9
50°	669.8	582.7	485.2	118.1	120.4
52.5°	643.5	550.6	341.8	114.7	115.8
55°	606.8	515.0	115.8	110.1	109.0
57.5°	572.3	481.7	107.8	102.1	97.5
60°	533.4	446.2	102.1	90.6	87.2
62.5°	493.2	410.6	94.1	80.3	78.0
65°	451.9	324.6	82.6	71.1	70.0
67.5°	408.3	213.3	70.0	63.1	61.9
70°	360.2	83.7	60.8	55.1	52.8
72.5°	309.7	72.3	51.6	47.0	44.7
75°	254.6	59.6	42.4	37.9	36.7
77.5°	203.0	44.7	34.4	29.8	28.7
80°	151.4	33.3	26.4	22.9	21.8
82.5°	103.2	24.1	19.5	16.1	14.9
85°	53.9	16.1	13.8	10.3	9.2
87.5°	20.6	10.3	8.0	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)