

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: P218441

Luminaire Tested: **4SNLED-LD5-42SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-42SL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4298.0 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

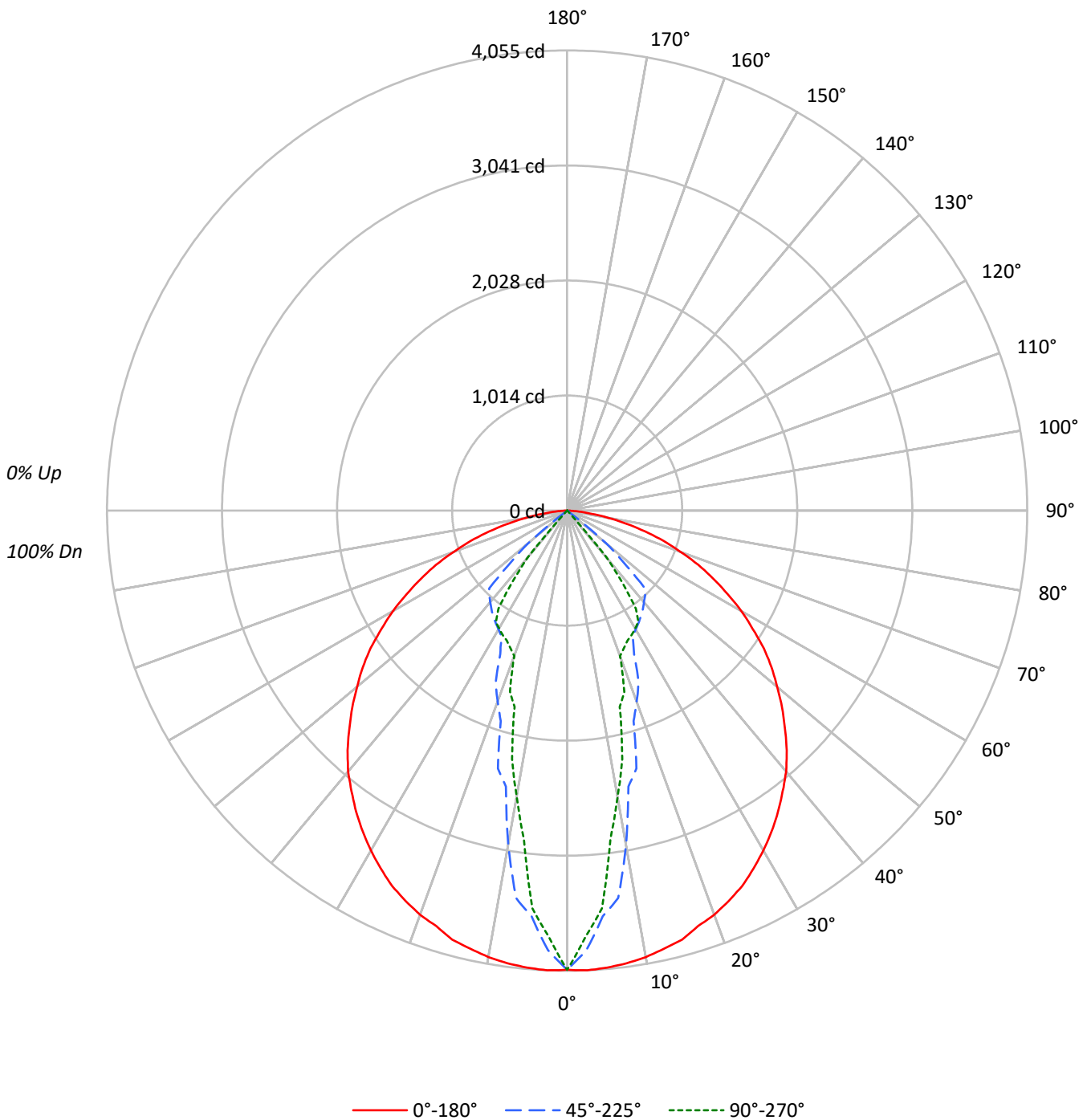
Input Watts (W): 30.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89					89			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79					79			
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70					70			
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62					62			
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56					56			
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51					51			
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46					46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43					43			
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39					39			
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36					36			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	65209	65209	65209
5°	65152	54550	52343
10°	64886	43260	35600
15°	64568	32792	23560
20°	64004	24186	17133
25°	63656	18474	15290
30°	62843	15783	14140
35°	61938	14720	12210
40°	61005	13691	6131
45°	59349	12730	24
50°	57695	6046	0
55°	56069	199	0
60°	53319	147	0
65°	49724	62	0
70°	44953	33	0
75°	38271	35	28
80°	27431	38	29
85°	13254	41	31



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.0	7.8
10°-20°	719.9	16.8
20°-30°	858.9	20.0
30°-40°	913.9	21.3
40°-50°	667.7	15.5
50°-60°	426.5	9.9
60°-70°	256.8	6.0
70°-80°	100.1	2.3
80°-90°	20.3	0.5
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°	1912.8	44.5
0°-40°	2826.7	65.8
0°-60°	3920.9	91.2
0°-90°	4298.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4298.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4047	4047	4047	4047	4047	
5°	4043	3845	3590	3525	3519	384
15°	3914	3338	2354	1834	1791	1102
25°	3650	2327	1396	1271	1261	1680
35°	3241	1537	1134	1134	1055	2027
45°	2713	995	970	4	2	2096
55°	2115	785	14	2	0	1883
65°	1421	320	4	2	0	1406
75°	710	17	2	2	2	751
85°	106	2	2	2	2	147
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4046.8	4046.8	4046.8	4046.8	4046.8
2.5°	4055.1	4028.1	3878.5	3816.2	3755.9
5°	4042.6	3845.3	3589.8	3525.4	3519.1
7.5°	4023.9	3660.4	3444.3	3074.6	2918.8
10°	3994.8	3539.9	2987.3	2675.7	2559.4
12.5°	3953.3	3361.2	2490.8	2312.1	2243.6
15°	3913.8	3338.4	2353.7	1834.3	1790.7
17.5°	3839.0	2873.0	1944.4	1724.2	1674.4
20°	3789.2	2661.2	1788.6	1495.7	1362.8
22.5°	3722.7	2536.5	1645.3	1360.7	1308.8
25°	3650.0	2326.7	1396.0	1271.4	1261.0
27.5°	3556.5	2046.2	1250.6	1238.1	1234.0
30°	3458.9	1736.7	1209.0	1204.9	1198.7
32.5°	3352.9	1614.1	1171.7	1171.7	1165.4
35°	3240.7	1537.3	1134.3	1134.3	1055.3
37.5°	3120.3	1439.6	1096.9	1096.9	793.6
40°	3001.8	1234.0	1053.2	731.2	536.0
42.5°	2864.7	1065.7	1015.9	511.0	4.2
45°	2713.1	995.1	970.1	4.2	2.1
47.5°	2569.7	945.2	660.6	2.1	0.0
50°	2416.0	891.2	452.9	2.1	0.0
52.5°	2270.6	841.3	20.8	2.1	0.0
55°	2114.8	785.3	14.5	2.1	0.0
57.5°	1938.2	731.2	12.5	2.1	0.0
60°	1774.1	673.1	10.4	2.1	0.0
62.5°	1593.4	571.3	6.2	2.1	0.0
65°	1420.9	319.9	4.2	2.1	0.0
67.5°	1250.6	51.9	4.2	2.1	0.0
70°	1063.6	35.3	2.1	2.1	0.0
72.5°	891.2	27.0	2.1	2.1	2.1
75°	710.5	16.6	2.1	2.1	2.1
77.5°	531.8	10.4	2.1	2.1	2.1
80°	365.6	6.2	2.1	2.1	2.1
82.5°	220.2	2.1	2.1	2.1	2.1
85°	105.9	2.1	2.1	2.1	2.1
87.5°	33.2	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)