

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: P218512

Luminaire Tested: **8TSNLED-LD5-120HL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218512
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: 8TSNLED-LD5-120HL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11338.1 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

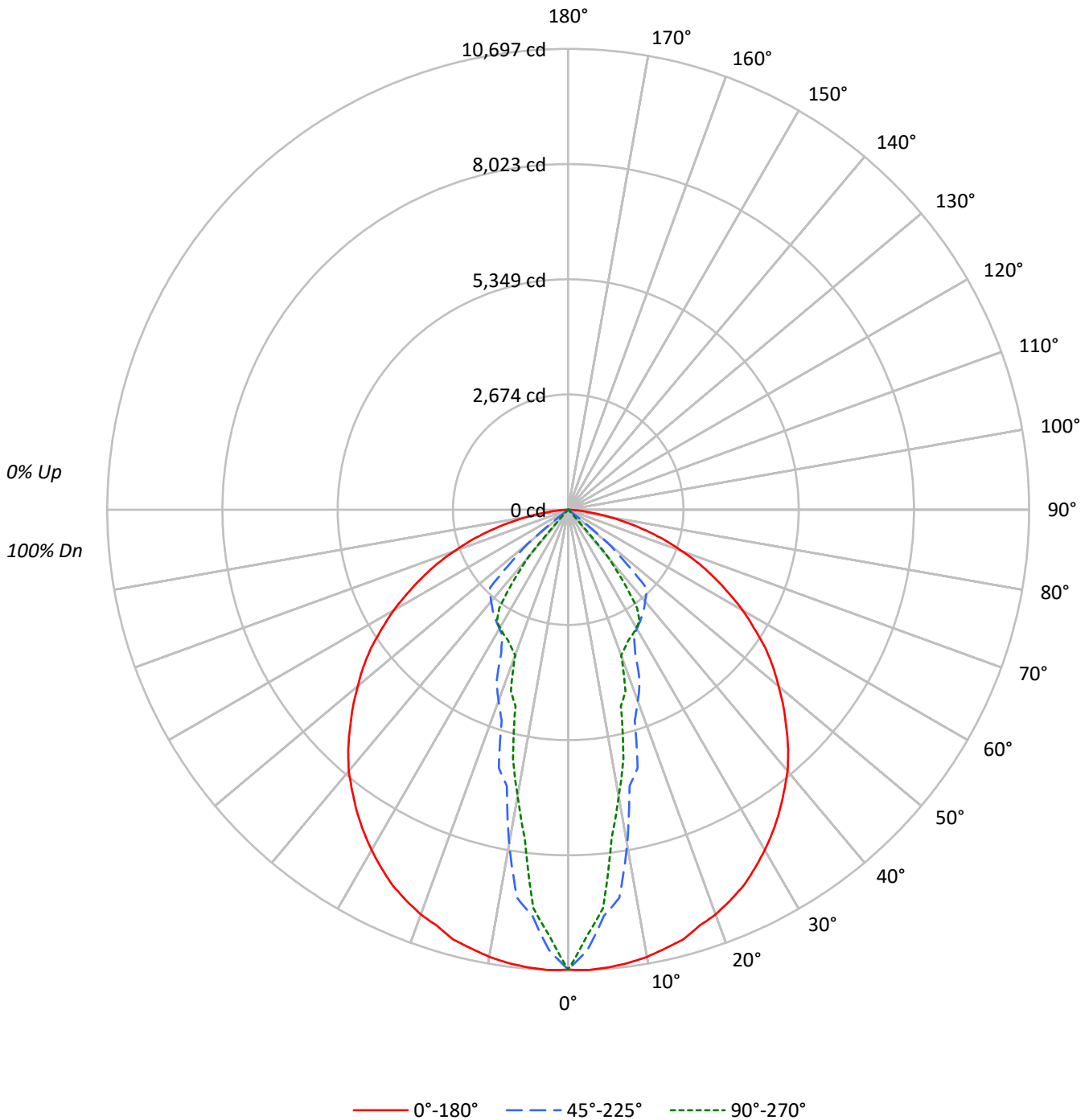
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	86009	86009	86009
5°	86091	72038	69039
10°	85899	57191	46955
15°	85639	43396	31076
20°	85057	32038	22598
25°	84770	24493	20167
30°	83875	20943	18649
35°	82873	19549	16105
40°	81852	18198	8086
45°	79880	16935	31
50°	77946	8050	0
55°	76095	266	0
60°	72780	196	0
65°	68398	82	0
70°	62510	43	0
75°	54126	46	36
80°	40013	50	38
85°	20860	55	41



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	881.0	7.8
10°-20°	1899.2	16.8
20°-30°	2265.7	20.0
30°-40°	2410.8	21.3
40°-50°	1761.4	15.5
50°-60°	1125.0	9.9
60°-70°	677.4	6.0
70°-80°	264.0	2.3
80°-90°	53.6	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°	5045.9	44.5
0°-40°	7456.7	65.8
0°-60°	10343.1	91.2
0°-90°	11338.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11338.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10675	10675	10675	10675	10675	
5°	10664	10144	9470	9300	9283	###
15°	10325	8807	6209	4839	4724	2908
25°	9629	6138	3683	3354	3326	4431
35°	8549	4055	2992	2992	2784	5348
45°	7157	2625	2559	11	6	5528
55°	5579	2072	38	6	0	4966
65°	3748	844	11	6	0	3709
75°	1874	44	6	6	6	1980
85°	280	6	6	6	6	389
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10675.3	10675.3	10675.3	10675.3	10675.3
2.5°	10697.2	10626.0	10231.4	10067.0	9908.1
5°	10664.3	10143.7	9469.7	9299.8	9283.3
7.5°	10615.0	9656.0	9086.1	8110.6	7699.6
10°	10538.3	9338.1	7880.4	7058.4	6751.5
12.5°	10428.7	8866.8	6570.7	6099.4	5918.5
15°	10324.6	8806.6	6209.0	4839.0	4723.9
17.5°	10127.3	7579.0	5129.4	4548.5	4417.0
20°	9995.8	7020.0	4718.4	3945.7	3595.0
22.5°	9820.4	6691.2	4340.3	3589.5	3452.5
25°	9628.6	6137.7	3682.6	3353.8	3326.4
27.5°	9382.0	5397.9	3299.0	3266.2	3255.2
30°	9124.4	4581.4	3189.4	3178.5	3162.0
32.5°	8844.9	4258.1	3090.8	3090.8	3074.4
35°	8549.0	4055.3	2992.2	2992.2	2783.9
37.5°	8231.2	3797.7	2893.5	2893.5	2093.4
40°	7918.8	3255.2	2778.4	1929.0	1413.9
42.5°	7557.1	2811.3	2679.8	1348.1	11.0
45°	7157.0	2625.0	2559.2	11.0	5.5
47.5°	6778.9	2493.5	1742.7	5.5	0.0
50°	6373.4	2351.0	1194.7	5.5	0.0
52.5°	5989.8	2219.5	54.8	5.5	0.0
55°	5578.8	2071.5	38.4	5.5	0.0
57.5°	5113.0	1929.0	32.9	5.5	0.0
60°	4680.0	1775.6	27.4	5.5	0.0
62.5°	4203.3	1507.0	16.4	5.5	0.0
65°	3748.4	843.9	11.0	5.5	0.0
67.5°	3299.0	137.0	11.0	5.5	0.0
70°	2805.8	93.2	5.5	5.5	0.0
72.5°	2351.0	71.2	5.5	5.5	5.5
75°	1874.2	43.8	5.5	5.5	5.5
77.5°	1402.9	27.4	5.5	5.5	5.5
80°	964.5	16.4	5.5	5.5	5.5
82.5°	580.9	5.5	5.5	5.5	5.5
85°	279.5	5.5	5.5	5.5	5.5
87.5°	87.7	5.5	5.5	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)