

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: P218513

Luminaire Tested: **8TSNLED-LD5-120HL-RM-UNV-L850-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218513
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-L850-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12265.0 lumens
Efficiency: N/A
Efficacy: 142.8 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

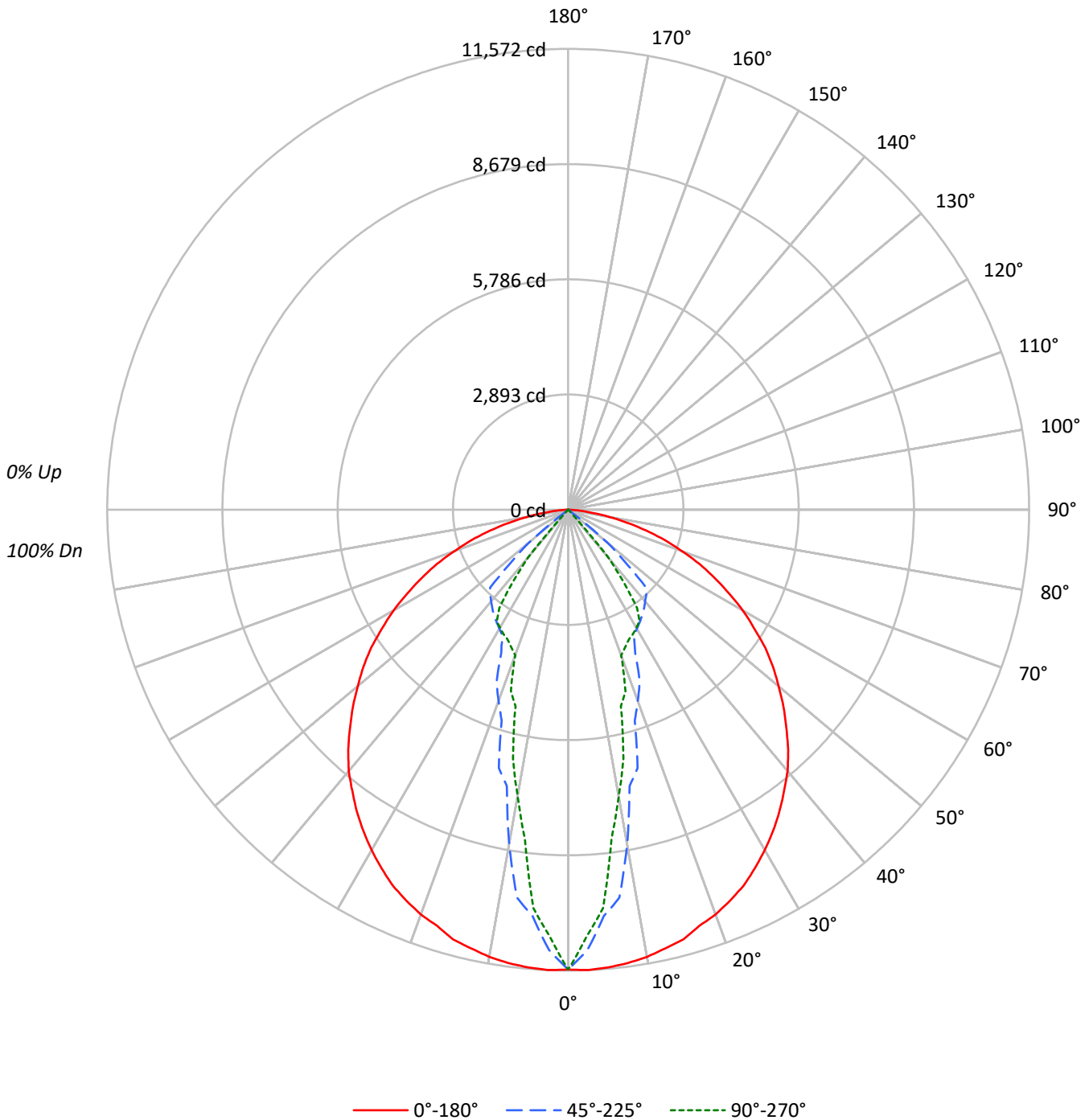
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	93041	93041	93041
5°	93131	77927	74684
10°	92922	61867	50794
15°	92640	46943	33616
20°	92010	34657	24446
25°	91701	26495	21816
30°	90733	22656	20175
35°	89649	21147	17421
40°	88544	19687	8747
45°	86411	18320	34
50°	84319	8707	0
55°	82316	287	0
60°	78732	212	0
65°	73991	89	0
70°	67621	47	0
75°	58550	50	39
80°	43286	54	41
85°	22562	59	44



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	953.0	7.8
10°-20°	2054.5	16.8
20°-30°	2451.0	20.0
30°-40°	2607.9	21.3
40°-50°	1905.4	15.5
50°-60°	1217.0	9.9
60°-70°	732.7	6.0
70°-80°	285.5	2.3
80°-90°	57.9	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°	5458.5	44.5
0°-40°	8066.4	65.8
0°-60°	11188.8	91.2
0°-90°	12265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12265.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11548	11548	11548	11548	11548	
5°	11536	10973	10244	10060	10042	###
15°	11169	9527	6717	5235	5110	3146
25°	10416	6640	3984	3628	3598	4793
35°	9248	4387	3237	3237	3012	5785
45°	7742	2840	2768	12	6	5981
55°	6035	2241	42	6	0	5372
65°	4055	913	12	6	0	4012
75°	2027	47	6	6	6	2142
85°	302	6	6	6	6	421
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11548.1	11548.1	11548.1	11548.1	11548.1
2.5°	11571.8	11494.8	11067.9	10890.1	10718.2
5°	11536.3	10973.1	10243.9	10060.1	10042.3
7.5°	11482.9	10445.5	9828.9	8773.7	8329.1
10°	11399.9	10101.6	8524.7	7635.5	7303.5
12.5°	11281.3	9591.8	7107.9	6598.1	6402.4
15°	11168.7	9526.6	6716.6	5234.6	5110.1
17.5°	10955.3	8198.7	5548.8	4920.4	4778.1
20°	10813.0	7594.0	5104.2	4268.3	3888.9
22.5°	10623.3	7238.3	4695.1	3883.0	3734.8
25°	10415.8	6639.6	3983.7	3628.1	3598.4
27.5°	10149.1	5839.3	3568.8	3533.2	3521.3
30°	9870.4	4956.0	3450.2	3438.3	3420.6
32.5°	9568.1	4606.2	3343.5	3343.5	3325.7
35°	9248.0	4386.9	3236.8	3236.8	3011.5
37.5°	8904.1	4108.2	3130.1	3130.1	2264.6
40°	8566.2	3521.3	3005.6	2086.7	1529.5
42.5°	8175.0	3041.2	2898.9	1458.3	11.9
45°	7742.2	2839.6	2768.5	11.9	5.9
47.5°	7333.2	2697.3	1885.2	5.9	0.0
50°	6894.5	2543.2	1292.3	5.9	0.0
52.5°	6479.5	2400.9	59.3	5.9	0.0
55°	6034.9	2240.9	41.5	5.9	0.0
57.5°	5531.0	2086.7	35.6	5.9	0.0
60°	5062.7	1920.7	29.6	5.9	0.0
62.5°	4546.9	1630.3	17.8	5.9	0.0
65°	4054.9	912.9	11.9	5.9	0.0
67.5°	3568.8	148.2	11.9	5.9	0.0
70°	3035.2	100.8	5.9	5.9	0.0
72.5°	2543.2	77.1	5.9	5.9	5.9
75°	2027.4	47.4	5.9	5.9	5.9
77.5°	1517.6	29.6	5.9	5.9	5.9
80°	1043.4	17.8	5.9	5.9	5.9
82.5°	628.4	5.9	5.9	5.9	5.9
85°	302.3	5.9	5.9	5.9	5.9
87.5°	94.9	5.9	5.9	5.9	5.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)