

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: P218514

Luminaire Tested: **8TSNLED-LD5-160HL-RM-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218514
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-LD5-160HL-RM-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13608.0 lumens
Efficiency: N/A
Efficacy: 110.1 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

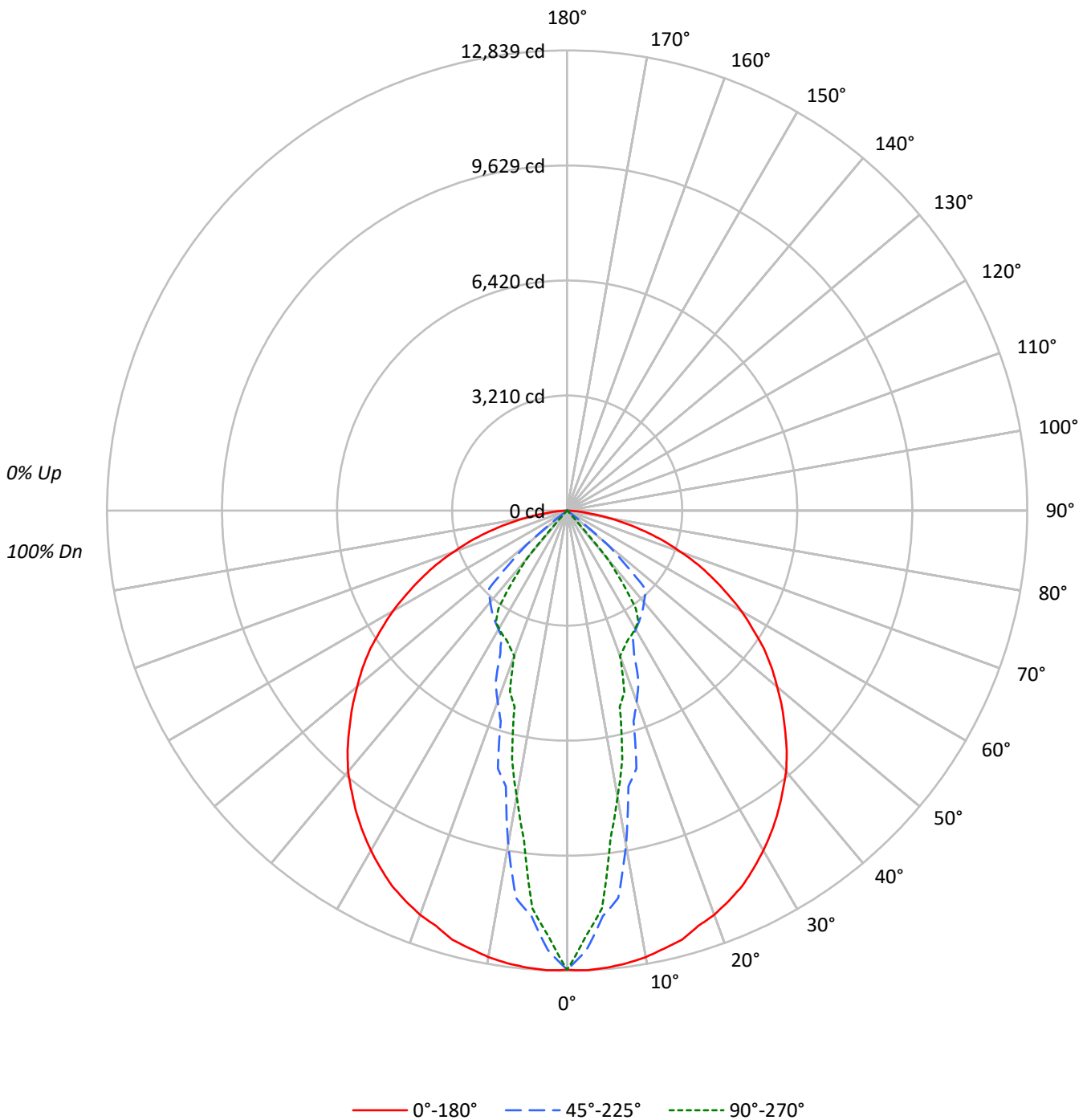
Input Watts (W): 123.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	103229	103229	103229
5°	103329	86460	82862
10°	103097	68642	56357
15°	102785	52084	37297
20°	102085	38452	27122
25°	101742	29397	24205
30°	100668	25137	22384
35°	99465	23462	19329
40°	98239	21842	9704
45°	95874	20326	38
50°	93552	9661	0
55°	91329	318	0
60°	87352	236	0
65°	82092	99	0
70°	75026	52	0
75°	64961	56	43
80°	48024	60	46
85°	25032	66	49



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1057.4	7.8
10°-20°	2279.4	16.8
20°-30°	2719.3	20.0
30°-40°	2893.5	21.3
40°-50°	2114.0	15.5
50°-60°	1350.3	9.9
60°-70°	813.0	6.0
70°-80°	316.9	2.3
80°-90°	64.3	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°	6056.2	44.5
0°-40°	8949.7	65.8
0°-60°	12413.9	91.2
0°-90°	13608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12813	12813	12813	12813	12813	
5°	12800	12175	11366	11162	11142	###
15°	12392	10570	7452	5808	5670	3490
25°	11556	7367	4420	4025	3992	5318
35°	10261	4867	3591	3591	3341	6419
45°	8590	3150	3072	13	7	6635
55°	6696	2486	46	7	0	5961
65°	4499	1013	13	7	0	4452
75°	2249	53	7	7	7	2376
85°	335	7	7	7	7	467
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12812.6	12812.6	12812.6	12812.6	12812.6
2.5°	12838.9	12753.4	12279.8	12082.5	11891.8
5°	12799.5	12174.6	11365.6	11161.7	11142.0
7.5°	12740.3	11589.2	10905.2	9734.4	9241.1
10°	12648.2	11207.7	9458.2	8471.6	8103.3
12.5°	12516.6	10642.1	7886.2	7320.6	7103.5
15°	12391.7	10569.7	7452.1	5807.8	5669.6
17.5°	12154.9	9096.4	6156.4	5459.2	5301.3
20°	11997.0	8425.5	5663.1	4735.7	4314.7
22.5°	11786.5	8030.9	5209.2	4308.1	4143.7
25°	11556.3	7366.6	4420.0	4025.3	3992.4
27.5°	11260.4	6478.7	3959.5	3920.1	3906.9
30°	10951.2	5498.6	3828.0	3814.8	3795.1
32.5°	10615.8	5110.6	3709.6	3709.6	3689.9
35°	10260.6	4867.2	3591.2	3591.2	3341.3
37.5°	9879.1	4558.1	3472.8	3472.8	2512.5
40°	9504.2	3906.9	3334.7	2315.2	1696.9
42.5°	9070.1	3374.2	3216.3	1618.0	13.2
45°	8590.0	3150.5	3071.6	13.2	6.6
47.5°	8136.1	2992.7	2091.6	6.6	0.0
50°	7649.4	2821.7	1433.9	6.6	0.0
52.5°	7189.0	2663.8	65.8	6.6	0.0
55°	6695.7	2486.2	46.0	6.6	0.0
57.5°	6136.6	2315.2	39.5	6.6	0.0
60°	5617.0	2131.1	32.9	6.6	0.0
62.5°	5044.8	1808.8	19.7	6.6	0.0
65°	4498.9	1012.9	13.2	6.6	0.0
67.5°	3959.5	164.4	13.2	6.6	0.0
70°	3367.6	111.8	6.6	6.6	0.0
72.5°	2821.7	85.5	6.6	6.6	6.6
75°	2249.4	52.6	6.6	6.6	6.6
77.5°	1683.8	32.9	6.6	6.6	6.6
80°	1157.6	19.7	6.6	6.6	6.6
82.5°	697.2	6.6	6.6	6.6	6.6
85°	335.4	6.6	6.6	6.6	6.6
87.5°	105.2	6.6	6.6	6.6	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)