

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: P218625

Luminaire Tested: **8TSNLED-LD5-160HL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35747)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-160HL-RW-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13662.0 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 0.85 / 0.95
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

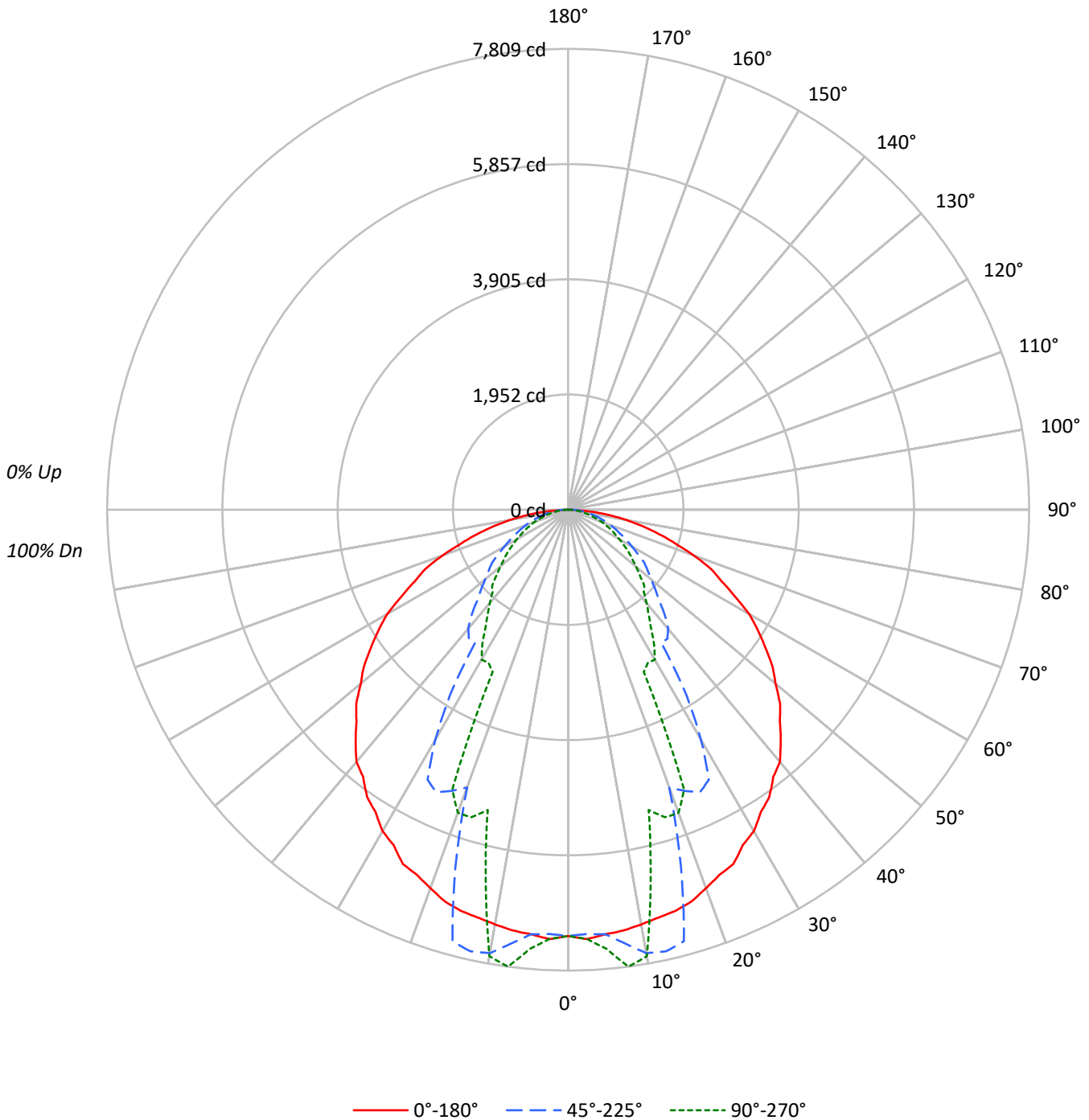
Input Watts (W): 123.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88					85				
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75					73				
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65					63				
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57					55				
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51					49				
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46					44				
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41					39				
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37					36				
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34					33				
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32					30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58191	58191	58191
5°	58307	54928	55555
10°	58160	55376	53429
15°	58355	52922	34649
20°	58060	34012	34352
25°	58313	35128	18375
30°	57807	29546	17312
35°	57573	17967	14128
40°	57647	17250	11825
45°	56605	14426	10394
50°	56072	12348	8577
55°	55642	10906	7232
60°	55061	8923	5926
65°	52307	7377	4856
70°	50285	5979	3805
75°	46019	4646	2710
80°	41079	3335	1751
85°	30898	2120	758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.9	5.2
10°-20°	1888.2	13.8
20°-30°	2442.8	17.9
30°-40°	2319.7	17.0
40°-50°	2232.9	16.3
50°-60°	1774.0	13.0
60°-70°	1290.9	9.4
70°-80°	751.1	5.5
80°-90°	257.6	1.9
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°	5035.9	36.9
0°-40°	7355.5	53.8
0°-60°	11362.4	83.2
0°-90°	13662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7223	7223	7223	7223	7223	
5°	7223	7206	7220	7391	7470	687
15°	7035	7366	7572	5912	5267	1984
25°	6624	7025	5282	4264	3031	3034
35°	5939	4572	2750	2554	2442	3706
45°	5072	4312	2180	1847	1824	3930
55°	4079	2455	1577	1284	1250	3651
65°	2867	1519	986	830	801	2863
75°	1594	801	551	451	412	1691
85°	414	335	212	139	102	483
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7222.6	7222.6	7222.6	7222.6	7222.6
2.5°	7282.9	7226.7	7195.5	7199.7	7280.8
5°	7222.6	7205.9	7220.5	7391.1	7470.1
7.5°	7191.4	7156.0	7413.9	7707.3	7809.2
10°	7135.2	7233.0	7630.3	7750.9	7682.3
12.5°	7076.9	7291.2	7663.6	6879.3	6448.7
15°	7035.3	7366.1	7572.0	5912.0	5267.1
17.5°	6958.4	7413.9	6361.3	5250.5	5464.8
20°	6823.2	7391.1	5009.2	5475.2	5464.8
22.5°	6698.3	7262.1	5156.9	5369.1	5129.8
25°	6623.5	7024.9	5281.7	4264.5	3030.9
27.5°	6407.1	6444.6	5159.0	2960.2	2924.8
30°	6288.5	5878.7	4499.5	2906.1	2935.2
32.5°	6076.4	5227.6	3727.8	2800.0	2706.4
35°	5939.1	4572.3	2750.1	2554.5	2442.2
37.5°	5706.1	4605.6	2758.4	2342.3	2236.2
40°	5577.1	4634.8	2633.6	2138.5	2067.7
42.5°	5329.6	4524.5	2425.5	1972.1	1895.1
45°	5071.6	4312.3	2180.1	1847.2	1824.4
47.5°	4867.7	3715.3	1999.1	1728.7	1645.5
50°	4584.8	2953.9	1832.7	1570.6	1499.8
52.5°	4362.2	2515.0	1697.5	1433.3	1366.7
55°	4079.3	2454.7	1576.8	1283.5	1250.2
57.5°	3813.1	2246.6	1397.9	1164.9	1112.9
60°	3540.6	1988.7	1246.1	1050.5	1004.8
62.5°	3184.8	1720.4	1112.9	934.0	890.3
65°	2866.6	1518.6	986.0	830.0	800.9
67.5°	2619.0	1362.6	871.6	728.1	688.6
70°	2257.1	1187.8	757.2	630.3	605.3
72.5°	1899.3	969.4	651.1	542.9	497.2
75°	1593.5	800.9	551.3	451.4	411.9
77.5°	1293.9	669.8	457.7	370.3	328.7
80°	990.2	545.0	366.1	289.2	251.7
82.5°	701.0	434.8	287.1	210.1	176.8
85°	414.0	334.9	212.2	139.4	101.9
87.5°	164.3	251.7	139.4	68.6	35.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)