

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: P218624

Luminaire Tested: **8TSNLED-LD5-160HL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218624
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13394.0 lumens
Efficiency: N/A
Efficacy: 108.4 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

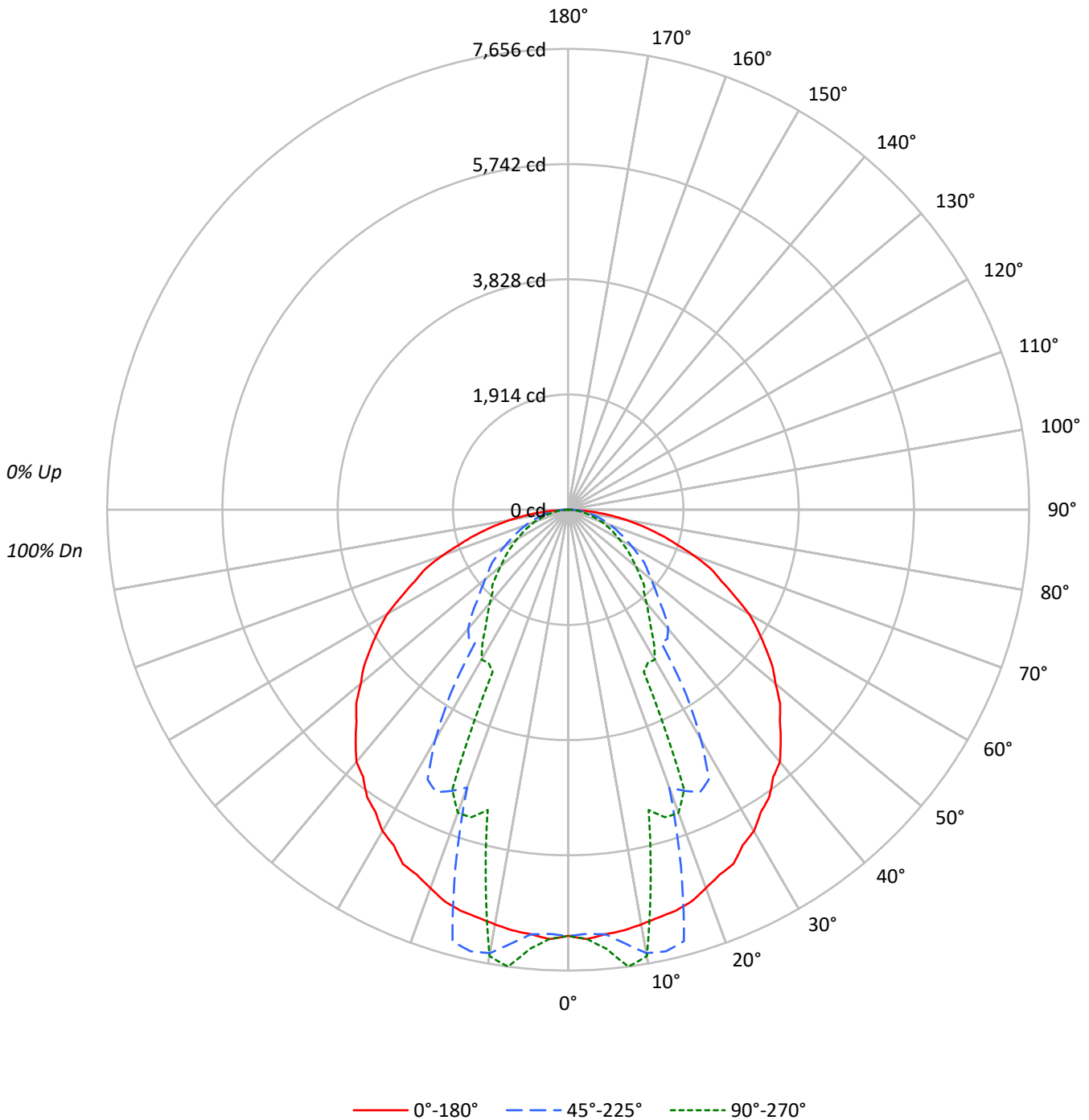
Input Watts (W): 123.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57050	57050	57050
5°	57163	53850	54465
10°	57019	54289	52381
15°	57211	51884	33969
20°	56921	33345	33678
25°	57169	34439	18015
30°	56673	28967	16972
35°	56444	17614	13851
40°	56516	16911	11593
45°	55494	14143	10190
50°	54972	12106	8409
55°	54550	10692	7091
60°	53980	8747	5810
65°	51280	7233	4760
70°	49299	5862	3731
75°	45115	4554	2656
80°	40275	3269	1716
85°	30286	2078	743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	691.1	5.2
10°-20°	1851.1	13.8
20°-30°	2394.8	17.9
30°-40°	2274.2	17.0
40°-50°	2189.1	16.3
50°-60°	1739.2	13.0
60°-70°	1265.6	9.4
70°-80°	736.3	5.5
80°-90°	252.5	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°	4937.1	36.9
0°-40°	7211.2	53.8
0°-60°	11139.6	83.2
0°-90°	13394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7081	7081	7081	7081	7081	
5°	7081	7065	7079	7246	7324	674
15°	6897	7222	7424	5796	5164	1945
25°	6494	6887	5178	4181	2971	2975
35°	5823	4483	2696	2504	2394	3633
45°	4972	4228	2137	1811	1789	3853
55°	3999	2406	1546	1258	1226	3579
65°	2810	1489	967	814	785	2807
75°	1562	785	540	443	404	1657
85°	406	328	208	137	100	473
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7080.9	7080.9	7080.9	7080.9	7080.9
2.5°	7140.0	7085.0	7054.4	7058.4	7138.0
5°	7080.9	7064.6	7078.8	7246.1	7323.6
7.5°	7050.3	7015.6	7268.5	7556.1	7656.0
10°	6995.2	7091.1	7480.6	7598.9	7531.6
12.5°	6938.1	7148.2	7513.2	6744.4	6322.2
15°	6897.3	7221.6	7423.5	5796.0	5163.8
17.5°	6821.9	7268.5	6236.6	5147.5	5357.6
20°	6689.3	7246.1	4910.9	5367.8	5357.6
22.5°	6566.9	7119.6	5055.7	5263.8	5029.2
25°	6493.5	6887.1	5178.1	4180.8	2971.4
27.5°	6281.4	6318.1	5057.8	2902.1	2867.4
30°	6165.2	5763.4	4411.3	2849.1	2877.6
32.5°	5957.2	5125.1	3654.6	2745.1	2653.3
35°	5822.6	4482.7	2696.1	2504.4	2394.3
37.5°	5594.1	4515.3	2704.3	2296.4	2192.4
40°	5467.7	4543.8	2581.9	2096.5	2027.2
42.5°	5225.0	4435.7	2378.0	1933.4	1857.9
45°	4972.1	4227.7	2137.3	1811.0	1788.6
47.5°	4772.3	3642.4	1959.9	1694.8	1613.2
50°	4494.9	2896.0	1796.7	1539.8	1470.4
52.5°	4276.7	2465.7	1664.2	1405.2	1339.9
55°	3999.3	2406.5	1545.9	1258.3	1225.7
57.5°	3738.3	2202.6	1370.5	1142.1	1091.1
60°	3471.1	1949.7	1221.6	1029.9	985.0
62.5°	3122.4	1686.6	1091.1	915.7	872.9
65°	2810.3	1488.8	966.7	813.7	785.2
67.5°	2567.6	1335.8	854.5	713.8	675.0
70°	2212.8	1164.5	742.4	617.9	593.5
72.5°	1862.0	950.4	638.3	532.3	487.4
75°	1562.2	785.2	540.4	442.6	403.8
77.5°	1268.5	656.7	448.7	363.0	322.2
80°	970.8	534.3	358.9	283.5	246.8
82.5°	687.3	426.2	281.4	206.0	173.4
85°	405.8	328.3	208.0	136.6	99.9
87.5°	161.1	246.8	136.6	67.3	34.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)