

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: P218623

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218623  
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-L830-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12608.0 lumens  
Efficiency: N/A  
Efficacy: 102.0 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

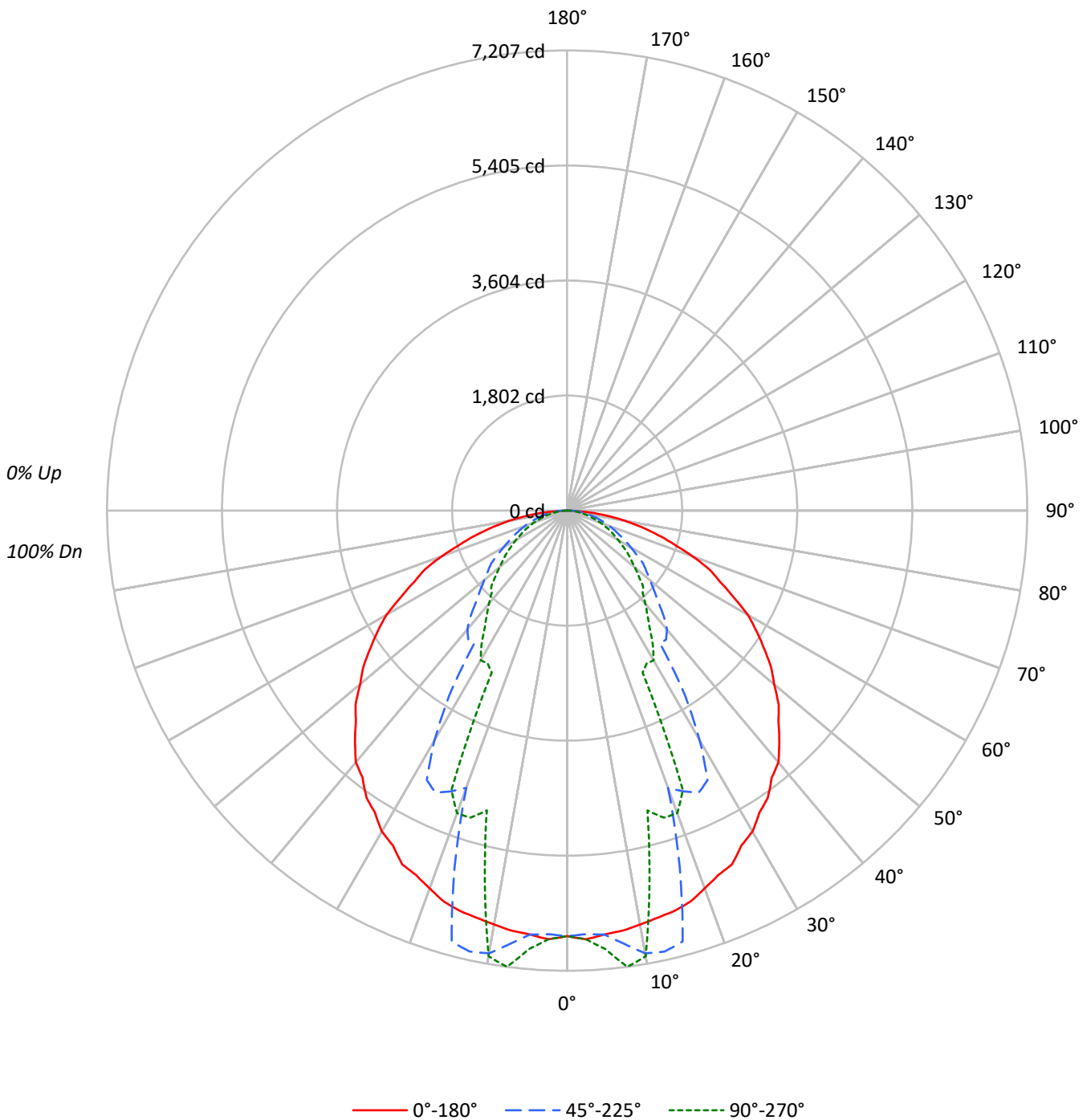
Input Watts (W): 123.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	53702	53702	53702
5°	53809	50690	51269
10°	53673	51103	49307
15°	53854	48840	31976
20°	53581	31388	31701
25°	53815	32418	16958
30°	53347	27267	15977
35°	53131	16581	13038
40°	53199	15919	10913
45°	52237	13313	9592
50°	51746	11396	7915
55°	51349	10065	6675
60°	50813	8234	5469
65°	48271	6808	4481
70°	46405	5518	3511
75°	42467	4287	2500
80°	37910	3078	1616
85°	28510	1957	700



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	650.6	5.2
10°-20°	1742.5	13.8
20°-30°	2254.3	17.9
30°-40°	2140.7	17.0
40°-50°	2060.6	16.3
50°-60°	1637.2	13.0
60°-70°	1191.3	9.4
70°-80°	693.1	5.5
80°-90°	237.7	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°	4647.4	36.9
0°-40°	6788.1	53.8
0°-60°	10485.9	83.2
0°-90°	12608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12608.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6665	6665	6665	6665	6665	
5°	6665	6650	6663	6821	6894	634
15°	6493	6798	6988	5456	4861	1831
25°	6112	6483	4874	3936	2797	2800
35°	5481	4220	2538	2357	2254	3420
45°	4680	3980	2012	1705	1684	3627
55°	3765	2265	1455	1184	1154	3369
65°	2645	1401	910	766	739	2642
75°	1470	739	509	417	380	1560
85°	382	309	196	129	94	445
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6665.4	6665.4	6665.4	6665.4	6665.4
2.5°	6721.0	6669.2	6640.4	6644.2	6719.1
5°	6665.4	6650.0	6663.4	6820.9	6893.8
7.5°	6636.6	6603.9	6842.0	7112.7	7206.7
10°	6584.7	6675.0	7041.6	7153.0	7089.6
12.5°	6531.0	6728.7	7072.3	6348.6	5951.2
15°	6492.6	6797.8	6987.9	5455.9	4860.8
17.5°	6421.5	6842.0	5870.6	4845.4	5043.2
20°	6296.8	6820.9	4622.7	5052.8	5043.2
22.5°	6181.6	6701.8	4759.0	4954.9	4734.1
25°	6112.5	6483.0	4874.2	3935.5	2797.1
27.5°	5912.8	5947.4	4761.0	2731.8	2699.2
30°	5803.4	5425.2	4152.4	2681.9	2708.8
32.5°	5607.6	4824.3	3440.2	2584.0	2497.6
35°	5480.9	4219.6	2537.9	2357.4	2253.8
37.5°	5265.9	4250.3	2545.6	2161.6	2063.7
40°	5146.8	4277.2	2430.4	1973.5	1908.2
42.5°	4918.4	4175.4	2238.4	1819.9	1748.9
45°	4680.3	3979.6	2011.9	1704.7	1683.6
47.5°	4492.2	3428.7	1844.9	1595.3	1518.5
50°	4231.1	2726.0	1691.3	1449.4	1384.1
52.5°	4025.7	2321.0	1566.5	1322.7	1261.3
55°	3764.6	2265.3	1455.2	1184.5	1153.8
57.5°	3518.9	2073.3	1290.1	1075.1	1027.1
60°	3267.4	1835.3	1149.9	969.5	927.2
62.5°	2939.1	1587.6	1027.1	862.0	821.7
65°	2645.4	1401.4	910.0	766.0	739.1
67.5°	2417.0	1257.4	804.4	671.9	635.4
70°	2082.9	1096.2	698.8	581.7	558.6
72.5°	1752.7	894.6	600.9	501.1	458.8
75°	1470.5	739.1	508.7	416.6	380.1
77.5°	1194.1	618.2	422.3	341.7	303.3
80°	913.8	503.0	337.9	266.8	232.3
82.5°	647.0	401.2	264.9	193.9	163.2
85°	382.0	309.1	195.8	128.6	94.1
87.5°	151.7	232.3	128.6	63.4	32.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)