

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: P218621

Luminaire Tested: **8TSNLED-LD5-120HL-RW-UNV-L840-CD1-U**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P218621  
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-LD5-120HL-RW-UNV-L840-CD1-U  
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10505.0 lumens  
Efficiency: N/A  
Efficacy: 122.3 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

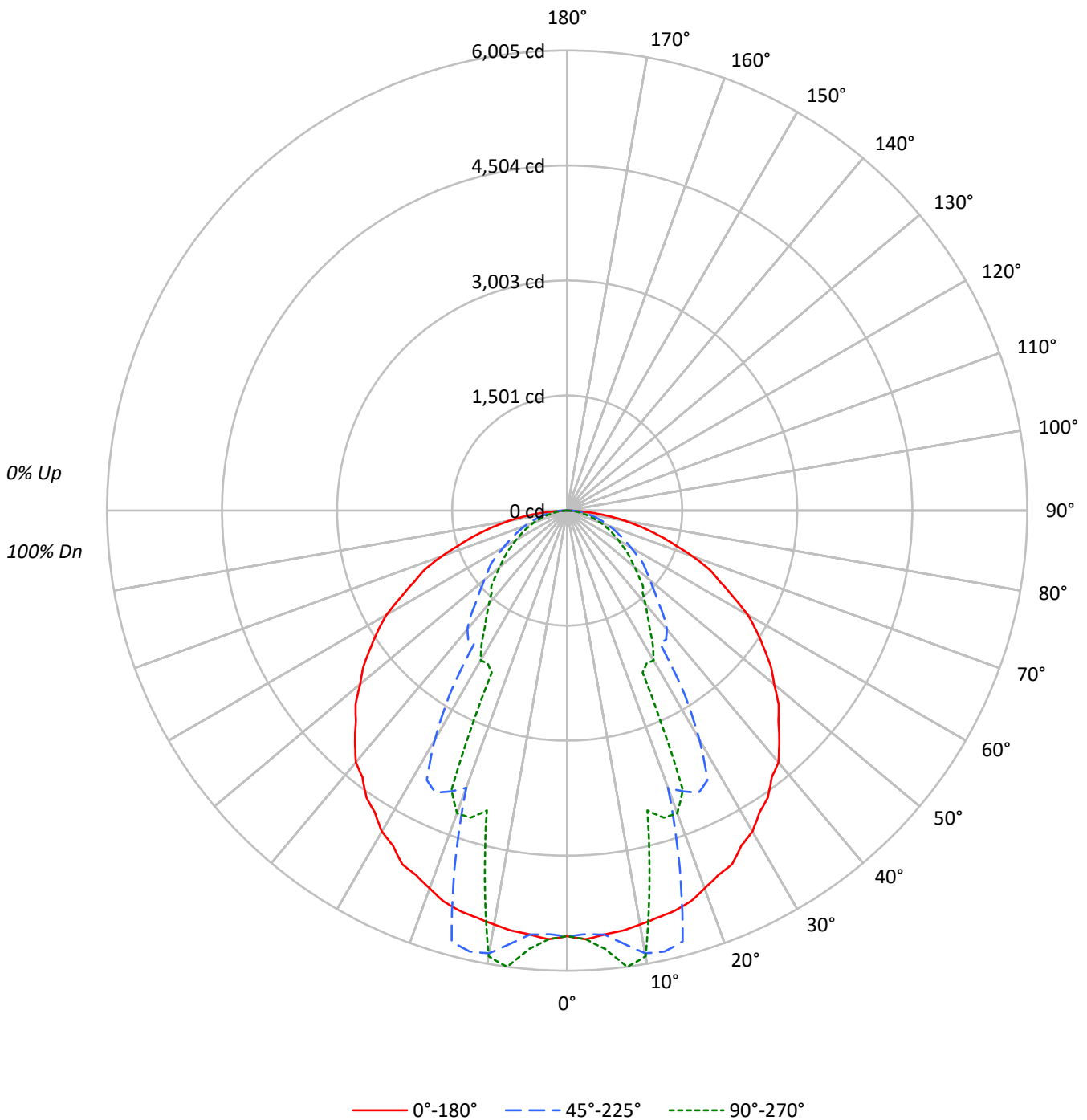
Input Watts (W): 85.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	44744	44744	44744
5°	44833	42235	42717
10°	44720	42580	41083
15°	44871	40693	26642
20°	44644	26153	26414
25°	44838	27011	14129
30°	44449	22719	13311
35°	44269	13815	10864
40°	44326	13264	9092
45°	43525	11093	7992
50°	43115	9495	6595
55°	42785	8385	5561
60°	42337	6861	4557
65°	40220	5673	3733
70°	38665	4597	2926
75°	35383	3572	2083
80°	31587	2564	1346
85°	23756	1631	583



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	542.0	5.2
10°-20°	1451.9	13.8
20°-30°	1878.3	17.9
30°-40°	1783.6	17.0
40°-50°	1716.9	16.3
50°-60°	1364.1	13.0
60°-70°	992.6	9.4
70°-80°	577.5	5.5
80°-90°	198.1	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°	3872.2	36.9
0°-40°	5655.8	53.8
0°-60°	8736.8	83.2
0°-90°	10505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10505.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5554	5554	5554	5554	5554	
5°	5554	5541	5552	5683	5744	528
15°	5410	5664	5822	4546	4050	1525
25°	5093	5402	4061	3279	2330	2333
35°	4567	3516	2115	1964	1878	2850
45°	3900	3316	1676	1420	1403	3022
55°	3137	1887	1212	987	961	2807
65°	2204	1168	758	638	616	2202
75°	1225	616	424	347	317	1300
85°	318	258	163	107	78	371
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5553.6	5553.6	5553.6	5553.6	5553.6
2.5°	5600.0	5556.8	5532.8	5536.0	5598.4
5°	5553.6	5540.8	5552.0	5683.1	5743.9
7.5°	5529.6	5502.4	5700.7	5926.3	6004.6
10°	5486.4	5561.6	5867.1	5959.9	5907.1
12.5°	5441.6	5606.4	5892.7	5289.7	4958.6
15°	5409.6	5663.9	5822.3	4545.9	4050.0
17.5°	5350.4	5700.7	4891.4	4037.2	4202.0
20°	5246.5	5683.1	3851.7	4210.0	4202.0
22.5°	5150.5	5584.0	3965.2	4128.4	3944.4
25°	5092.9	5401.6	4061.2	3279.0	2330.5
27.5°	4926.6	4955.4	3966.8	2276.1	2248.9
30°	4835.4	4520.3	3459.8	2234.5	2256.9
32.5°	4672.2	4019.6	2866.4	2153.0	2081.0
35°	4566.7	3515.8	2114.6	1964.2	1877.9
37.5°	4387.5	3541.4	2121.0	1801.1	1719.5
40°	4288.3	3563.8	2025.0	1644.3	1589.9
42.5°	4098.0	3479.0	1865.1	1516.4	1457.2
45°	3899.7	3315.8	1676.3	1420.4	1402.8
47.5°	3742.9	2856.8	1537.2	1329.2	1265.2
50°	3525.4	2271.3	1409.2	1207.6	1153.3
52.5°	3354.2	1933.8	1305.2	1102.1	1050.9
55°	3136.7	1887.4	1212.4	986.9	961.3
57.5°	2931.9	1727.5	1074.9	895.7	855.8
60°	2722.4	1529.2	958.1	807.8	772.6
62.5°	2448.9	1322.8	855.8	718.2	684.6
65°	2204.2	1167.7	758.2	638.2	615.8
67.5°	2013.8	1047.7	670.2	559.8	529.4
70°	1735.5	913.3	582.2	484.7	465.5
72.5°	1460.4	745.4	500.7	417.5	382.3
75°	1225.2	615.8	423.9	347.1	316.7
77.5°	994.9	515.0	351.9	284.7	252.7
80°	761.4	419.1	281.5	222.3	193.5
82.5°	539.0	334.3	220.7	161.6	136.0
85°	318.3	257.5	163.2	107.2	78.4
87.5°	126.4	193.5	107.2	52.8	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)