

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: P218620

Luminaire Tested: **8TSNLED-LD5-120HL-RW-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218620
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-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10299.0 lumens
Efficiency: N/A
Efficacy: 119.9 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

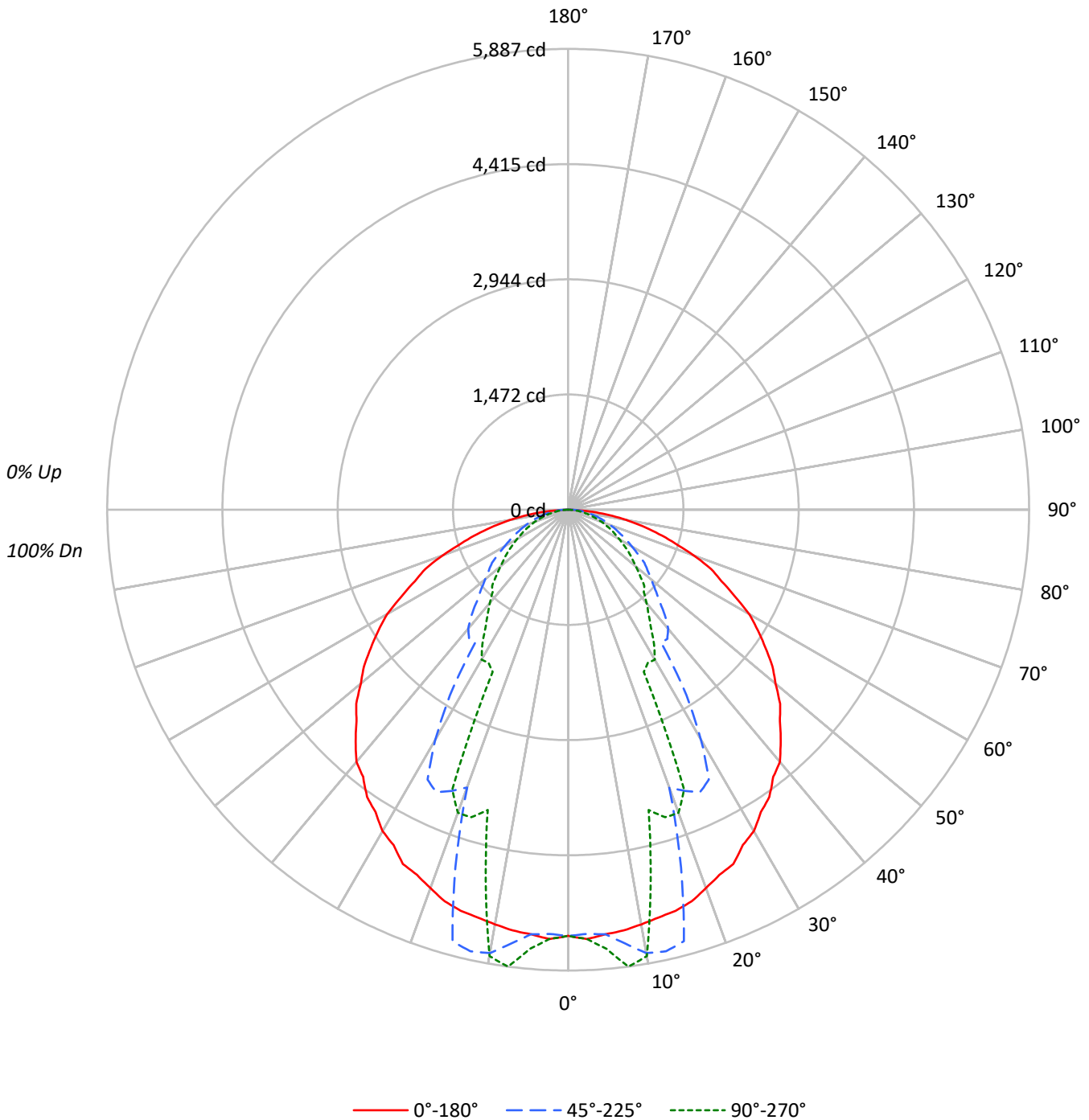
Input Watts (W): 85.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	43867	43867	43867
5°	43954	41407	41880
10°	43843	41744	40277
15°	43991	39895	26120
20°	43768	25639	25896
25°	43958	26481	13852
30°	43578	22273	13051
35°	43400	13544	10650
40°	43457	13004	8914
45°	42671	10875	7835
50°	42269	9309	6466
55°	41946	8221	5452
60°	41507	6726	4467
65°	39430	5561	3660
70°	37907	4507	2868
75°	34690	3502	2043
80°	30965	2514	1319
85°	23293	1599	571



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.4	5.2
10°-20°	1423.4	13.8
20°-30°	1841.5	17.9
30°-40°	1748.7	17.0
40°-50°	1683.2	16.3
50°-60°	1337.3	13.0
60°-70°	973.1	9.4
70°-80°	566.2	5.5
80°-90°	194.2	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°	3796.3	36.9
0°-40°	5544.9	53.8
0°-60°	8565.5	83.2
0°-90°	10299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10299.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5445	5445	5445	5445	5445	
5°	5445	5432	5443	5572	5631	518
15°	5304	5553	5708	4457	3971	1495
25°	4993	5296	3982	3215	2285	2287
35°	4477	3447	2073	1926	1841	2794
45°	3823	3251	1643	1392	1375	2962
55°	3075	1850	1189	968	942	2752
65°	2161	1145	743	626	604	2158
75°	1201	604	416	340	310	1274
85°	312	252	160	105	77	364
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5444.7	5444.7	5444.7	5444.7	5444.7
2.5°	5490.2	5447.8	5424.3	5427.4	5488.6
5°	5444.7	5432.1	5443.1	5571.7	5631.3
7.5°	5421.2	5394.5	5588.9	5810.1	5886.9
10°	5378.8	5452.5	5752.0	5843.0	5791.2
12.5°	5334.9	5496.4	5777.1	5185.9	4861.3
15°	5303.5	5552.9	5708.1	4456.7	3970.6
17.5°	5245.5	5588.9	4795.5	3958.1	4119.6
20°	5143.6	5571.7	3776.1	4127.4	4119.6
22.5°	5049.5	5474.5	3887.5	4047.4	3867.1
25°	4993.0	5295.7	3981.6	3214.7	2284.8
27.5°	4830.0	4858.2	3889.1	2231.5	2204.8
30°	4740.6	4431.6	3391.9	2190.7	2212.7
32.5°	4580.6	3940.8	2810.2	2110.8	2040.2
35°	4477.1	3446.8	2073.1	1925.7	1841.0
37.5°	4301.5	3471.9	2079.4	1765.8	1685.8
40°	4204.3	3493.9	1985.3	1612.1	1558.8
42.5°	4017.6	3410.8	1828.5	1486.6	1428.6
45°	3823.2	3250.8	1643.4	1392.5	1375.3
47.5°	3669.5	2800.7	1507.0	1303.1	1240.4
50°	3456.2	2226.8	1381.6	1184.0	1130.6
52.5°	3288.4	1895.9	1279.6	1080.5	1030.3
55°	3075.2	1850.4	1188.7	967.6	942.5
57.5°	2874.5	1693.6	1053.8	878.2	839.0
60°	2669.0	1499.2	939.3	791.9	757.4
62.5°	2400.9	1296.9	839.0	704.1	671.2
65°	2160.9	1144.8	743.3	625.7	603.7
67.5°	1974.3	1027.1	657.1	548.9	519.1
70°	1701.5	895.4	570.8	475.2	456.3
72.5°	1431.7	730.8	490.8	409.3	374.8
75°	1201.2	603.7	415.6	340.3	310.5
77.5°	975.4	504.9	345.0	279.1	247.8
80°	746.4	410.9	276.0	218.0	189.7
82.5°	528.5	327.7	216.4	158.4	133.3
85°	312.1	252.5	160.0	105.1	76.8
87.5°	123.9	189.7	105.1	51.7	26.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)