

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: P218496

Luminaire Tested: **8TSNLED-LD5-85SL-RM-UNV-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-85SL-RM-UNV-L840-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8596.1 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.46 / 0.67
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

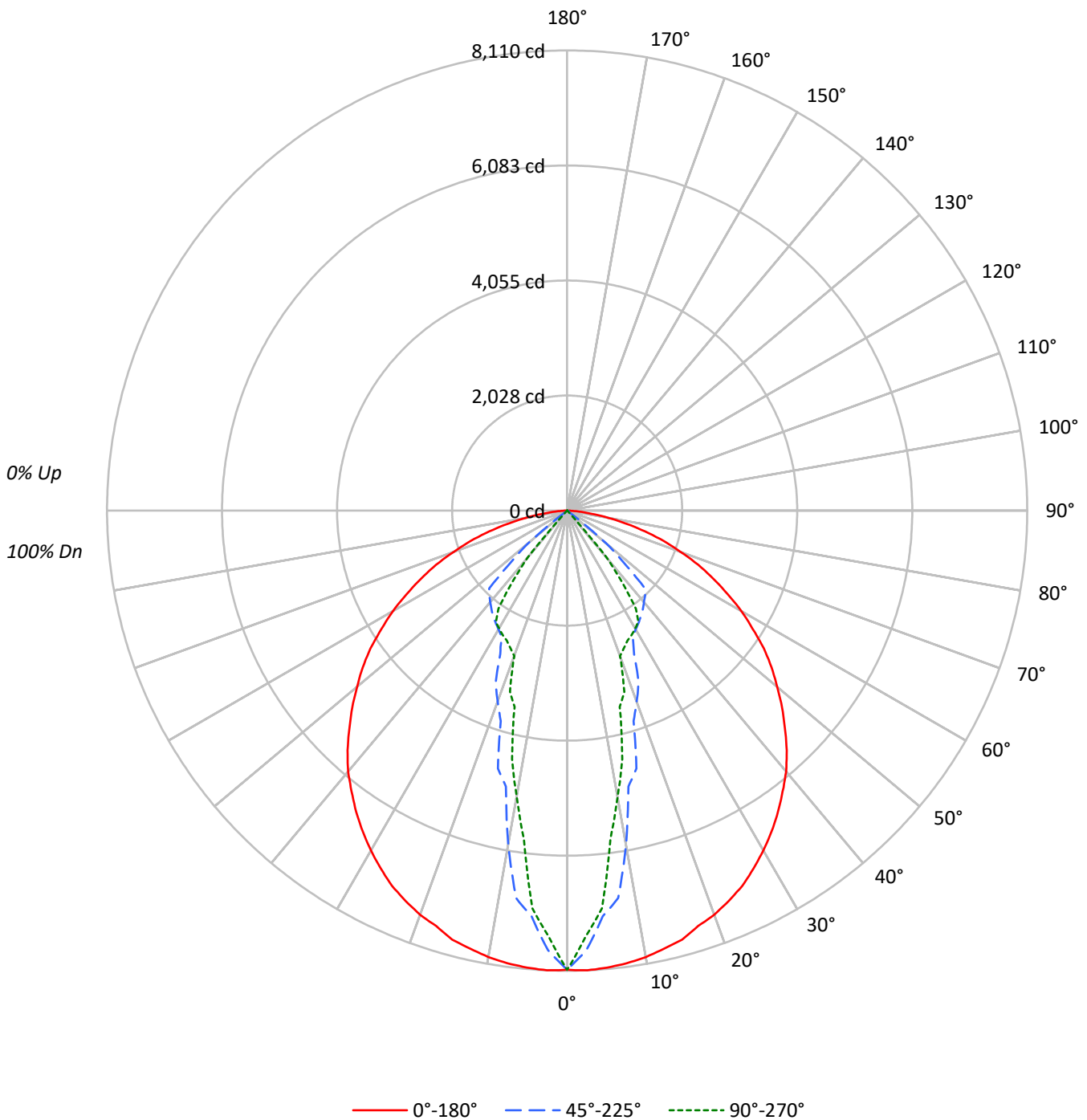
Input Watts (W): 61.16
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89				89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79				79
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70				70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62				62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56				56
6	78	67	60	54	77	66	59	54	65	58	54	63	57	53	62	57	53	51				51
7	74	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46				46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43				43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39				39
10	62	50	43	38	60	50	43	38	49	42	38	48	42	38	47	42	38	36				36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	65209	65209	65209
5°	65271	54616	52343
10°	65125	43360	35600
15°	64928	32901	23560
20°	64486	24290	17133
25°	64269	18569	15290
30°	63591	15878	14139
35°	62831	14821	12210
40°	62057	13798	6130
45°	60562	12839	24
50°	59095	6102	0
55°	57692	201	0
60°	55179	149	0
65°	51857	62	0
70°	47394	33	0
75°	41035	35	28
80°	30335	38	29
85°	15815	42	31



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.0	7.8
10°-20°	1439.9	16.8
20°-30°	1717.8	20.0
30°-40°	1827.8	21.3
40°-50°	1335.4	15.5
50°-60°	852.9	9.9
60°-70°	513.6	6.0
70°-80°	200.2	2.3
80°-90°	40.6	0.5
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°	3825.6	44.5
0°-40°	5653.4	65.8
0°-60°	7841.7	91.2
0°-90°	8596.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8596.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8094	8094	8094	8094	8094	
5°	8085	7690	7180	7051	7038	769
15°	7828	6677	4707	3669	3581	2205
25°	7300	4653	2792	2543	2522	3359
35°	6482	3075	2268	2268	2111	4055
45°	5426	1990	1940	8	4	4191
55°	4230	1570	29	4	0	3765
65°	2842	640	8	4	0	2812
75°	1421	33	4	4	4	1501
85°	212	4	4	4	4	295
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8093.6	8093.6	8093.6	8093.6	8093.6
2.5°	8110.2	8056.2	7757.0	7632.4	7511.9
5°	8085.3	7690.5	7179.5	7050.7	7038.2
7.5°	8047.9	7320.8	6888.7	6149.1	5837.5
10°	7989.7	7079.8	5974.6	5351.4	5118.7
12.5°	7906.6	6722.5	4981.6	4624.3	4487.2
15°	7827.7	6676.8	4707.4	3668.7	3581.4
17.5°	7678.1	5746.1	3888.9	3448.5	3348.8
20°	7578.4	5322.3	3577.3	2991.5	2725.6
22.5°	7445.4	5073.0	3290.6	2721.4	2617.5
25°	7300.0	4653.4	2792.0	2542.7	2522.0
27.5°	7113.0	4092.5	2501.2	2476.3	2468.0
30°	6917.8	3473.4	2418.1	2409.8	2397.3
32.5°	6705.9	3228.3	2343.3	2343.3	2330.8
35°	6481.5	3074.6	2268.5	2268.5	2110.6
37.5°	6240.5	2879.3	2193.7	2193.7	1587.1
40°	6003.7	2468.0	2106.5	1462.5	1071.9
42.5°	5729.5	2131.4	2031.7	1022.1	8.3
45°	5426.2	1990.2	1940.3	8.3	4.2
47.5°	5139.5	1890.4	1321.2	4.2	0.0
50°	4832.0	1782.4	905.7	4.2	0.0
52.5°	4541.2	1682.7	41.5	4.2	0.0
55°	4229.6	1570.5	29.1	4.2	0.0
57.5°	3876.4	1462.5	24.9	4.2	0.0
60°	3548.2	1346.2	20.8	4.2	0.0
62.5°	3186.7	1142.6	12.5	4.2	0.0
65°	2841.9	639.8	8.3	4.2	0.0
67.5°	2501.2	103.9	8.3	4.2	0.0
70°	2127.3	70.6	4.2	4.2	0.0
72.5°	1782.4	54.0	4.2	4.2	4.2
75°	1420.9	33.2	4.2	4.2	4.2
77.5°	1063.6	20.8	4.2	4.2	4.2
80°	731.2	12.5	4.2	4.2	4.2
82.5°	440.4	4.2	4.2	4.2	4.2
85°	211.9	4.2	4.2	4.2	4.2
87.5°	66.5	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)