

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: P#

Luminaire Tested: **8SNLED-LD5-200HL-UNV-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-200HL-UNV-L935-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
OPEN LED STIP
Light Source: -
Ballast/Driver: -

Summary

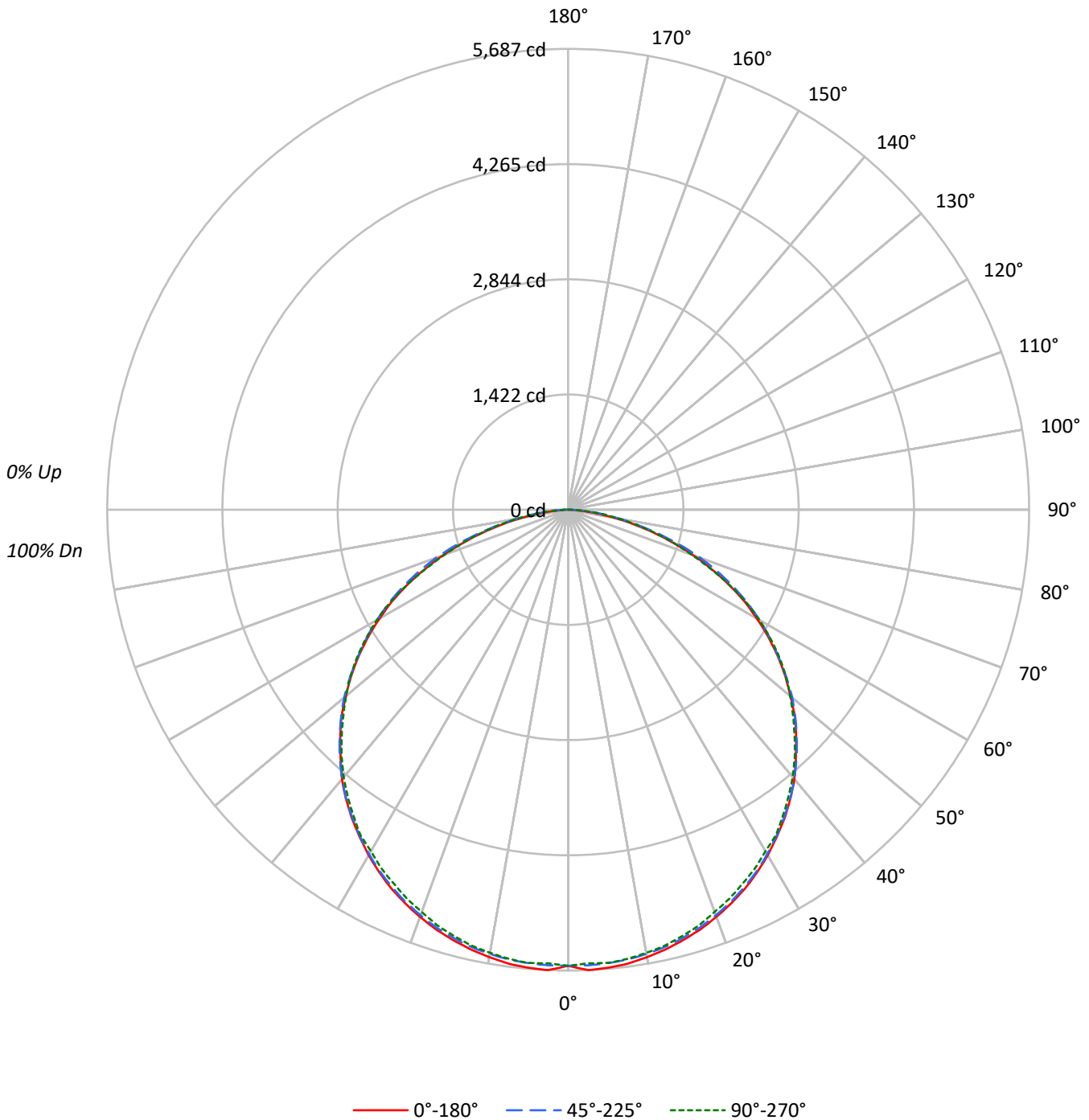
Lumens per Lamp: N/A
Luminaire Lumens: 16884.0 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 158
Input Voltage (V): NR
Input Current (Ain): 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



TEST NUMBER: P#
CATALOG NUMBER: 8SNLED-LD5-200HL-UNV-L935-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-UNV-L935-CD1-U

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22741	22741	22741
5°	22979	22245	22047
10°	22937	21777	21367
15°	22895	21307	20698
20°	22862	20802	19984
25°	22834	20296	19318
30°	22763	19751	18662
35°	22691	19183	18032
40°	22602	18575	17278
45°	22370	17849	16414
50°	22092	17059	15535
55°	21744	15993	14587
60°	21136	14909	13347
65°	20223	13493	11609
70°	18588	11621	9413
75°	15999	8895	7235
80°	12252	5881	4744
85°	6742	2881	2118



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-UNV-L935-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.2	3.2
10°-20°	1540.5	9.1
20°-30°	2358.2	14.0
30°-40°	2889.3	17.1
40°-50°	3056.0	18.1
50°-60°	2820.8	16.7
60°-70°	2177.2	12.9
70°-80°	1208.4	7.2
80°-90°	299.3	1.8
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°	4432.9	26.3
0°-40°	7322.2	43.4
0°-60°	13199.0	78.2
0°-90°	16884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16884.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5628	5628	5628	5628	5628	
5°	5673	5600	5617	5603	5614	539
15°	5496	5432	5471	5451	5446	1552
25°	5159	5097	5139	5094	5092	2378
35°	4650	4600	4642	4592	4617	2910
45°	3976	3940	3987	3945	3951	3068
55°	3156	3130	3167	3164	3181	2816
65°	2186	2164	2248	2234	2192	2156
75°	1085	1149	1158	1155	1113	1151
85°	171	253	258	261	242	231
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-UNV-L935-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5628.3	5628.3	5628.3	5628.3	5628.3
2.5°	5687.3	5614.3	5628.3	5619.9	5603.0
5°	5673.3	5600.2	5617.1	5603.0	5614.3
7.5°	5650.8	5572.1	5600.2	5580.6	5591.8
10°	5605.8	5538.4	5566.5	5544.0	5552.5
12.5°	5558.1	5487.8	5527.2	5499.1	5510.3
15°	5496.3	5431.6	5471.0	5451.3	5445.7
17.5°	5428.8	5367.0	5406.3	5383.9	5375.4
20°	5347.3	5288.3	5324.8	5291.1	5282.7
22.5°	5257.4	5198.4	5240.6	5192.8	5195.6
25°	5159.1	5097.2	5139.4	5094.4	5091.6
27.5°	5046.7	4987.7	5032.6	4984.8	4990.5
30°	4923.0	4864.0	4909.0	4861.2	4866.8
32.5°	4788.1	4740.4	4779.7	4734.8	4765.7
35°	4650.5	4599.9	4642.0	4591.5	4616.7
37.5°	4501.5	4453.8	4498.7	4442.5	4465.0
40°	4341.4	4299.2	4338.6	4288.0	4307.6
42.5°	4155.9	4130.6	4170.0	4119.4	4136.2
45°	3976.1	3939.5	3987.3	3945.2	3950.8
47.5°	3796.2	3756.9	3801.9	3765.3	3762.5
50°	3579.9	3565.8	3608.0	3579.9	3577.1
52.5°	3374.7	3346.6	3391.6	3377.6	3386.0
55°	3155.6	3130.3	3166.8	3164.0	3180.9
57.5°	2928.0	2902.7	2950.4	2944.8	2958.9
60°	2686.3	2666.6	2728.5	2714.4	2725.6
62.5°	2450.3	2413.7	2492.4	2481.2	2475.6
65°	2186.1	2163.7	2248.0	2233.9	2191.8
67.5°	1913.6	1905.1	1992.3	1964.2	1893.9
70°	1641.0	1646.6	1730.9	1677.5	1618.5
72.5°	1354.4	1396.5	1447.1	1407.8	1365.6
75°	1084.6	1149.3	1157.7	1154.9	1112.7
77.5°	820.5	902.0	882.3	902.0	868.3
80°	573.2	663.1	649.1	666.0	637.9
82.5°	354.1	435.5	438.4	449.6	424.3
85°	171.4	252.9	258.5	261.3	241.7
87.5°	36.5	118.0	120.8	112.4	98.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)