

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-SLC-UNV-L835-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-200HL-SLC-UNV-L835-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

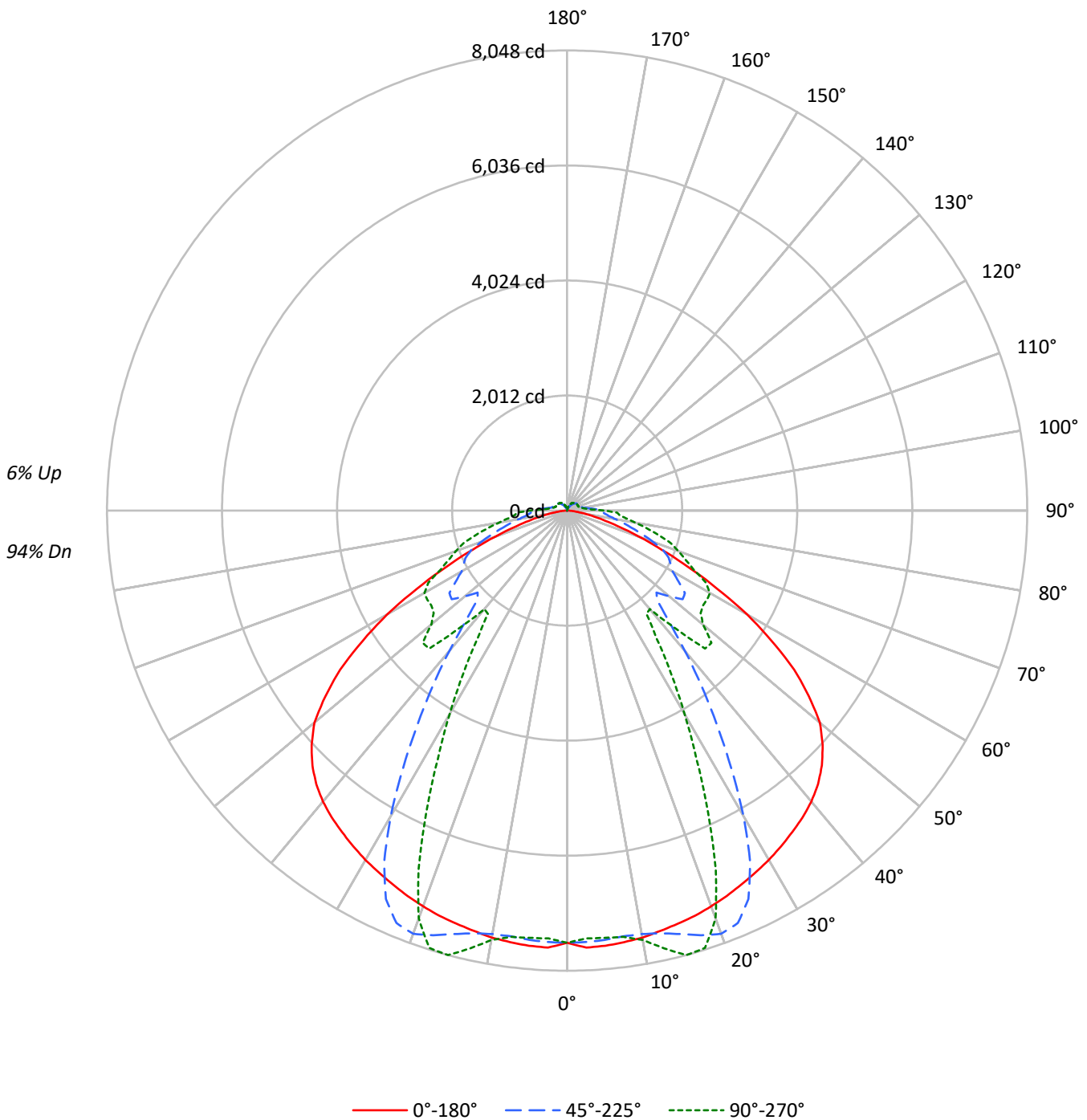
Lumens per Lamp: N/A
Luminaire Lumens: 19411.0 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

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



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CATALOG NUMBER: 8SNLED-LD5-200HL-SLC-UNV-L835-CD1-U

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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30532	30532	30532
5°	30946	29845	29451
10°	31028	29418	29349
15°	31157	29859	30589
20°	31493	30775	28713
25°	31935	29603	22109
30°	32620	24817	15726
35°	33491	18814	10648
40°	34587	13691	9017
45°	35457	9943	14176
50°	35608	11023	13453
55°	33399	12704	13285
60°	28582	11643	14121
65°	21630	11765	12917
70°	15308	10735	12023
75°	10165	9021	10788
80°	6650	7759	8981
85°	3815	7418	8061



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.9	3.7
10°-20°	2171.0	11.2
20°-30°	3153.8	16.2
30°-40°	3013.3	15.5
40°-50°	2756.3	14.2
50°-60°	2545.0	13.1
60°-70°	2021.6	10.4
70°-80°	1247.8	6.4
80°-90°	679.4	3.5
90°-100°	343.4	1.8
100°-110°	215.8	1.1
110°-120°	182.8	0.9
120°-130°	149.3	0.8
130°-140°	107.1	0.6
140°-150°	66.0	0.3
150°-160°	31.4	0.2
160°-170°	8.1	0.0
170°-180°	0.0	0.0
0°-30°	6043.7	31.1
0°-40°	9057.0	46.7
0°-60°	14358.3	74.0
0°-90°	18307.1	94.3
90°-120°	742.0	3.8
90°-150°	1064.4	5.5
90°-180°	1104.0	5.7
0°-180°	19411.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7556	7556	7556	7556	7556	
5°	7640	7523	7536	7496	7500	727
15°	7480	7379	7667	7951	8048	2117
25°	7215	7356	7496	6346	5827	3335
35°	6864	6754	4553	3134	2726	4304
45°	6302	4395	2221	2833	3412	4843
55°	4847	2255	2516	2706	2897	4269
65°	2338	1462	1960	2382	2439	2364
75°	689	779	1174	1556	1659	781
85°	97	331	666	906	920	124
90°	3	248	595	706	652	5
95°	0	231	411	365	344	0
105°	0	207	254	231	228	0
115°	0	171	244	217	207	2
125°	3	137	217	211	201	3
135°	3	97	174	191	184	3
145°	3	60	120	154	164	2
155°	7	37	74	97	117	2
165°	7	20	37	47	64	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-SLC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7556.5	7556.5	7556.5	7556.5	7556.5
2.5°	7650.2	7539.8	7553.2	7529.8	7489.6
5°	7640.1	7523.1	7536.4	7496.3	7499.7
7.5°	7613.4	7493.0	7509.7	7503.0	7519.7
10°	7583.3	7456.2	7519.7	7576.6	7626.8
12.5°	7529.8	7416.0	7569.9	7737.2	7840.8
15°	7479.6	7379.2	7666.9	7951.2	8048.2
17.5°	7429.4	7365.8	7787.3	8034.9	8021.5
20°	7365.8	7359.2	7877.6	7794.0	7590.0
22.5°	7295.6	7362.5	7807.4	7195.2	6793.8
25°	7215.3	7355.8	7496.3	6345.6	5827.1
27.5°	7135.0	7325.7	6931.0	5415.7	4903.9
30°	7054.8	7245.4	6168.3	4566.0	4101.1
32.5°	6961.1	7071.5	5338.7	3813.4	3385.2
35°	6864.1	6753.7	4552.6	3134.3	2726.2
37.5°	6763.7	6295.4	3846.8	2538.9	2278.0
40°	6643.3	5720.1	3197.9	2177.6	2247.9
42.5°	6492.8	5071.1	2625.9	2284.7	2773.1
45°	6302.1	4395.4	2221.1	2833.3	3412.0
47.5°	6061.3	3746.5	2120.8	3244.7	3425.4
50°	5770.2	3151.1	2331.5	3110.9	3097.5
52.5°	5328.7	2656.0	2545.6	2836.6	2943.7
55°	4847.0	2254.6	2515.5	2706.2	2896.8
57.5°	4238.2	1983.6	2308.1	2679.4	2900.2
60°	3632.7	1803.0	2130.8	2676.1	2883.5
62.5°	2963.7	1639.1	2040.5	2612.5	2736.3
65°	2338.2	1461.8	1960.2	2381.7	2438.6
67.5°	1793.0	1281.2	1819.7	2124.1	2237.9
70°	1351.4	1103.9	1598.9	1926.8	2067.3
72.5°	973.4	936.6	1371.5	1752.8	1900.0
75°	689.1	779.4	1174.1	1555.5	1659.2
77.5°	475.0	635.6	1006.9	1338.0	1421.7
80°	311.1	508.5	856.3	1150.7	1207.6
82.5°	187.3	408.1	742.6	1006.9	1037.0
85°	97.0	331.2	665.7	906.5	919.9
87.5°	30.1	277.6	622.2	859.7	876.4
90°	3.3	247.5	595.4	705.8	652.3
92.5°	0.0	234.2	515.1	481.7	431.5
95°	0.0	230.8	411.4	364.6	344.5
97.5°	0.0	224.1	337.9	304.4	294.4
100°	0.0	217.4	291.0	267.6	264.3
102.5°	0.0	214.1	264.3	244.2	240.8
105°	0.0	207.4	254.2	230.8	227.5
107.5°	0.0	197.4	247.5	224.1	217.4
110°	0.0	187.3	247.5	220.8	210.7



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-SLC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	177.3	247.5	217.4	207.4
115°	0.0	170.6	244.2	217.4	207.4
117.5°	3.3	163.9	240.8	217.4	207.4
120°	0.0	157.2	234.2	217.4	204.0
122.5°	3.3	147.2	227.5	214.1	204.0
125°	3.3	137.1	217.4	210.7	200.7
127.5°	3.3	127.1	207.4	204.0	194.0
130°	3.3	117.1	197.4	200.7	190.7
132.5°	3.3	107.0	184.0	194.0	187.3
135°	3.3	97.0	173.9	190.7	184.0
137.5°	3.3	87.0	160.6	180.6	180.6
140°	3.3	76.9	147.2	173.9	177.3
142.5°	3.3	70.2	133.8	167.3	170.6
145°	3.3	60.2	120.4	153.9	163.9
147.5°	3.3	53.5	107.0	140.5	153.9
150°	3.3	46.8	93.7	127.1	140.5
152.5°	3.3	40.1	83.6	110.4	130.5
155°	6.7	36.8	73.6	97.0	117.1
157.5°	6.7	30.1	60.2	83.6	100.4
160°	6.7	26.8	53.5	70.2	90.3
162.5°	6.7	23.4	43.5	60.2	76.9
165°	6.7	20.1	36.8	46.8	63.6
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)