

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-SLN-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 (P27402)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-200HL-SLN-UNV-L935-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

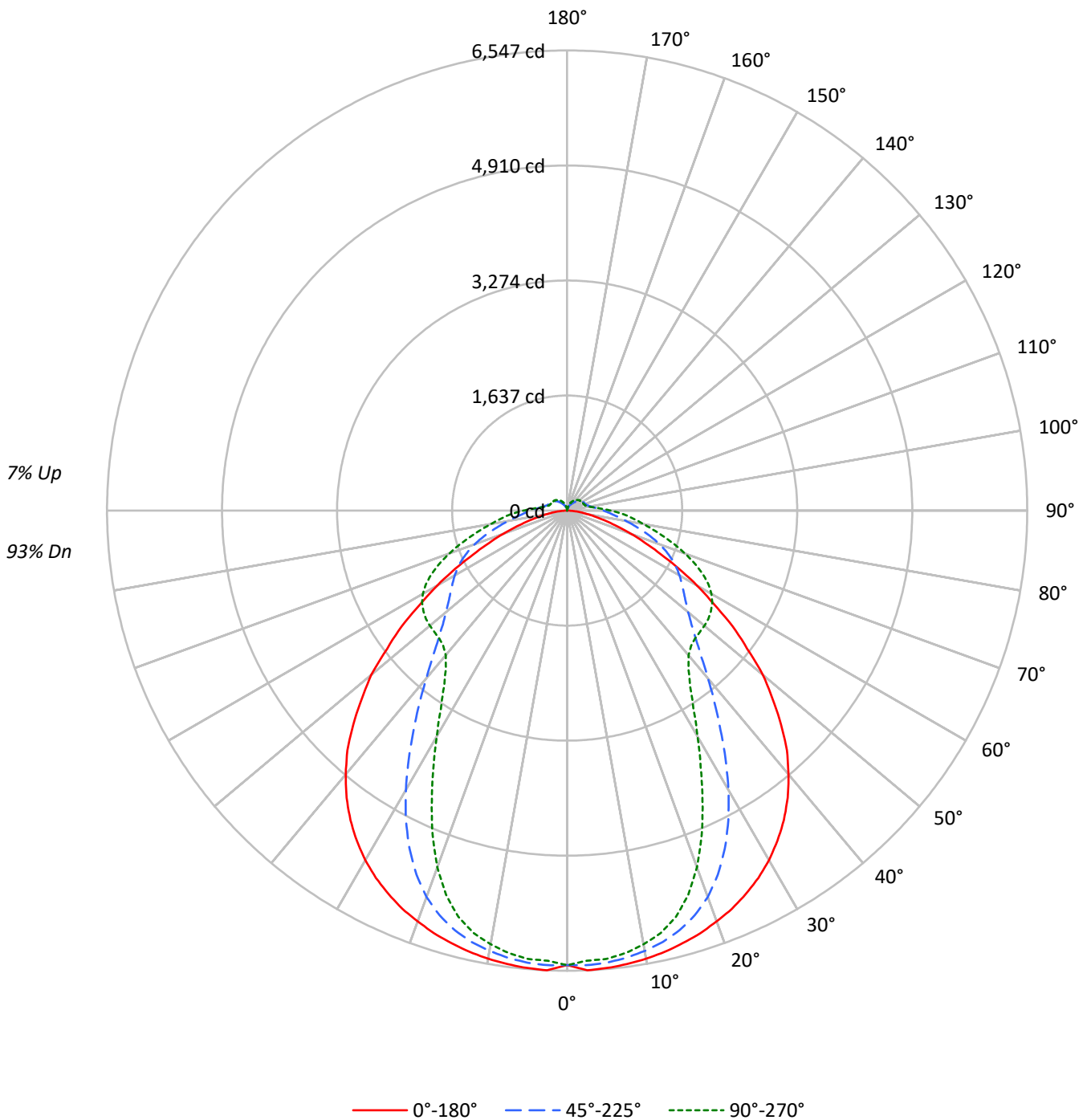
Lumens per Lamp: N/A  
Luminaire Lumens: 16259.9 lumens  
Efficiency: N/A  
Efficacy: 102.9 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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-SLN-UNV-L935-CD1-U

### Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-200HL-SLN-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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	26124	26124	26124
5°	26462	25571	25148
10°	26489	24888	24113
15°	26535	24075	22737
20°	26587	22855	20420
25°	26639	20961	17292
30°	26557	18462	14223
35°	26227	15723	11919
40°	25513	13329	10775
45°	24220	11597	10694
50°	22438	10615	11069
55°	19827	10217	11456
60°	16802	10088	11614
65°	13595	9883	11252
70°	11012	9395	10377
75°	8414	8528	9208
80°	6367	7689	8192
85°	4531	7296	7534



TEST NUMBER: P#

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	611.7	3.8
10°-20°	1729.0	10.6
20°-30°	2416.9	14.9
30°-40°	2507.0	15.4
40°-50°	2316.0	14.2
50°-60°	2067.8	12.7
60°-70°	1675.8	10.3
70°-80°	1114.6	6.9
80°-90°	638.3	3.9
90°-100°	353.1	2.2
100°-110°	239.1	1.5
110°-120°	199.1	1.2
120°-130°	161.9	1.0
130°-140°	116.7	0.7
140°-150°	70.4	0.4
150°-160°	33.8	0.2
160°-170°	8.8	0.1
170°-180°	0.0	0.0
0°-30°	4757.6	29.3
0°-40°	7264.6	44.7
0°-60°	11648.4	71.6
0°-90°	15077.0	92.7
90°-120°	791.3	4.9
90°-150°	1140.3	7.0
90°-180°	1183.0	7.3
0°-180°	16259.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6466	6466	6466	6466	6466	
5°	6533	6424	6457	6412	6404	621
15°	6370	6235	6182	6041	5982	1800
25°	6019	5752	5308	4752	4558	2773
35°	5375	4785	3805	3195	3052	3354
45°	4305	3411	2591	2498	2574	3310
55°	2877	2175	2023	2352	2498	2558
65°	1470	1315	1647	2018	2124	1485
75°	570	714	1110	1360	1416	625
85°	115	332	655	837	860	133
90°	6	233	517	624	618	9
95°	6	197	410	438	424	4
105°	3	171	295	287	273	3
115°	3	154	261	258	250	3
125°	3	132	230	242	236	3
135°	6	98	183	214	214	4
145°	6	62	126	166	177	4
155°	6	39	79	104	126	3
165°	6	22	39	51	67	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



TEST NUMBER: P#

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6465.6	6465.6	6465.6	6465.6	6465.6
2.5°	6547.1	6440.3	6474.1	6446.0	6409.4
5°	6533.1	6423.5	6457.2	6412.2	6403.8
7.5°	6507.8	6398.2	6417.9	6364.5	6350.4
10°	6474.1	6358.8	6361.7	6285.8	6266.1
12.5°	6429.1	6302.7	6285.8	6181.8	6153.7
15°	6370.1	6235.2	6181.8	6041.3	5982.3
17.5°	6305.5	6148.1	6038.5	5822.2	5729.4
20°	6218.4	6041.3	5850.3	5521.5	5397.9
22.5°	6131.2	5912.1	5605.8	5167.4	5001.7
25°	6018.8	5751.9	5307.9	4751.6	4557.7
27.5°	5892.4	5563.6	4965.1	4324.5	4116.5
30°	5743.5	5336.0	4588.6	3905.8	3709.1
32.5°	5569.3	5080.3	4192.4	3529.3	3346.6
35°	5375.4	4785.3	3804.6	3194.9	3051.6
37.5°	5153.4	4462.2	3445.0	2925.1	2832.4
40°	4900.5	4110.9	3113.4	2717.2	2686.3
42.5°	4627.9	3768.1	2829.6	2582.3	2610.4
45°	4304.8	3411.2	2590.7	2498.0	2573.9
47.5°	3964.8	3062.8	2396.9	2450.3	2559.8
50°	3636.0	2739.7	2245.1	2419.3	2548.6
52.5°	3228.6	2450.3	2124.3	2391.2	2531.7
55°	2877.4	2174.9	2023.1	2351.9	2498.0
57.5°	2472.7	1927.6	1933.2	2301.3	2447.4
60°	2135.5	1702.8	1846.1	2231.1	2371.6
62.5°	1792.7	1500.5	1750.6	2138.3	2264.8
65°	1469.6	1315.0	1646.6	2017.5	2124.3
67.5°	1199.8	1146.4	1528.6	1871.4	1961.3
70°	972.2	991.9	1399.3	1708.4	1784.3
72.5°	747.4	848.6	1258.8	1534.2	1598.8
75°	570.4	713.7	1109.9	1360.0	1416.2
77.5°	421.5	595.7	975.0	1202.6	1250.4
80°	297.9	491.7	848.6	1065.0	1101.5
82.5°	199.5	404.6	744.6	941.3	975.0
85°	115.2	331.6	654.7	837.4	859.8
87.5°	47.8	275.4	581.7	730.6	741.8
90°	5.6	233.2	517.0	623.8	618.2
92.5°	5.6	210.7	460.8	522.6	508.6
95°	5.6	196.7	410.2	438.3	424.3
97.5°	5.6	188.3	365.3	376.5	362.5
100°	2.8	182.6	334.4	334.4	320.3
102.5°	2.8	177.0	311.9	303.5	292.2
105°	2.8	171.4	295.0	286.6	272.6
107.5°	2.8	168.6	283.8	275.4	261.3
110°	2.8	163.0	275.4	266.9	255.7



TEST NUMBER: P#

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.8	160.2	269.8	264.1	250.1
115°	2.8	154.5	261.3	258.5	250.1
117.5°	2.8	148.9	255.7	255.7	247.3
120°	2.8	143.3	247.3	252.9	244.5
122.5°	2.8	137.7	238.8	247.3	238.8
125°	2.8	132.1	230.4	241.7	236.0
127.5°	5.6	123.6	219.2	236.0	230.4
130°	2.8	115.2	207.9	230.4	227.6
132.5°	5.6	106.8	196.7	222.0	222.0
135°	5.6	98.3	182.6	213.6	213.6
137.5°	5.6	87.1	168.6	202.3	205.1
140°	5.6	78.7	154.5	191.1	196.7
142.5°	5.6	70.2	140.5	179.8	188.3
145°	5.6	61.8	126.4	165.8	177.0
147.5°	5.6	56.2	112.4	148.9	165.8
150°	5.6	47.8	101.2	134.9	151.7
152.5°	5.6	42.1	89.9	120.8	140.5
155°	5.6	39.3	78.7	104.0	126.4
157.5°	5.6	33.7	67.4	89.9	112.4
160°	5.6	28.1	56.2	78.7	95.5
162.5°	5.6	25.3	47.8	64.6	84.3
165°	5.6	22.5	39.3	50.6	67.4
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)