

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-L950-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-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

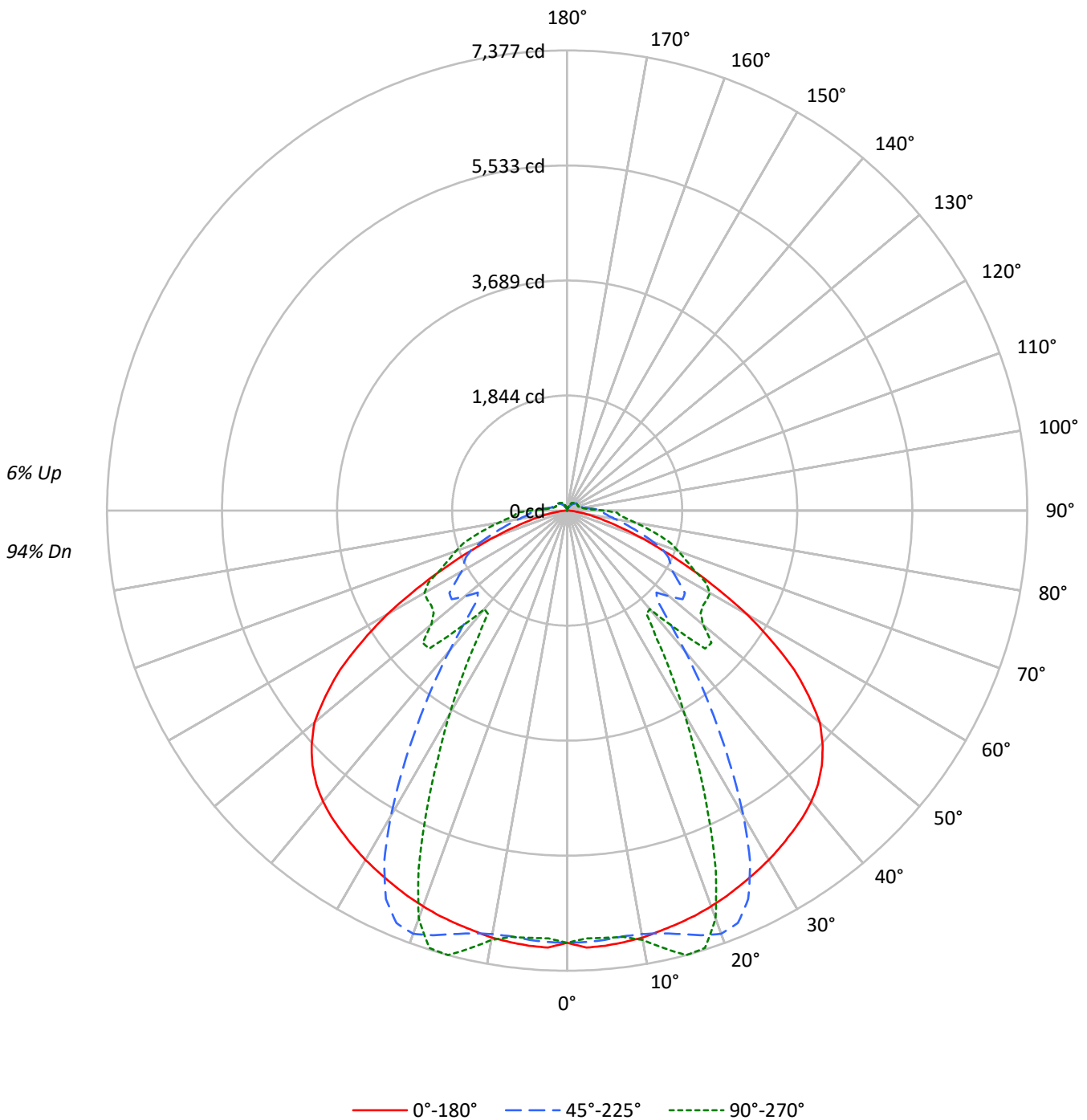
Lumens per Lamp: N/A  
Luminaire Lumens: 17792.0 lumens  
Efficiency: N/A  
Efficacy: 112.6 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

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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### 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°	27986	27986	27986
5°	28365	27356	26994
10°	28440	26964	26901
15°	28558	27368	28038
20°	28866	28209	26318
25°	29271	27134	20265
30°	29899	22747	14414
35°	30698	17245	9760
40°	31702	12549	8264
45°	32500	9114	12993
50°	32638	10104	12331
55°	30613	11644	12177
60°	26199	10672	12943
65°	19826	10784	11839
70°	14031	9840	11020
75°	9317	8269	9889
80°	6094	7112	8232
85°	3497	6799	7389



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	658.9	3.7
10°-20°	1990.0	11.2
20°-30°	2890.7	16.2
30°-40°	2762.0	15.5
40°-50°	2526.4	14.2
50°-60°	2332.8	13.1
60°-70°	1852.9	10.4
70°-80°	1143.7	6.4
80°-90°	622.8	3.5
90°-100°	314.8	1.8
100°-110°	197.8	1.1
110°-120°	167.6	0.9
120°-130°	136.8	0.8
130°-140°	98.2	0.6
140°-150°	60.5	0.3
150°-160°	28.7	0.2
160°-170°	7.5	0.0
170°-180°	0.0	0.0
0°-30°	5539.6	31.1
0°-40°	8301.6	46.7
0°-60°	13160.8	74.0
0°-90°	16780.2	94.3
90°-120°	680.1	3.8
90°-150°	975.6	5.5
90°-180°	1012.0	5.7
0°-180°	17792.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6926	6926	6926	6926	6926	
5°	7003	6896	6908	6871	6874	666
15°	6856	6764	7027	7288	7377	1940
25°	6614	6742	6871	5816	5341	3057
35°	6292	6190	4173	2873	2499	3945
45°	5776	4029	2036	2597	3127	4439
55°	4443	2066	2306	2480	2655	3913
65°	2143	1340	1797	2183	2235	2167
75°	632	714	1076	1426	1521	716
85°	89	304	610	831	843	113
90°	3	227	546	647	598	5
95°	0	212	377	334	316	0
105°	0	190	233	212	208	0
115°	0	156	224	199	190	2
125°	3	126	199	193	184	2
135°	3	89	159	175	169	2
145°	3	55	110	141	150	2
155°	6	34	68	89	107	2
165°	6	18	34	43	58	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-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6926.3	6926.3	6926.3	6926.3	6926.3
2.5°	7012.1	6910.9	6923.2	6901.7	6864.9
5°	7002.9	6895.6	6907.9	6871.1	6874.1
7.5°	6978.4	6868.0	6883.3	6877.2	6892.5
10°	6950.8	6834.3	6892.5	6944.7	6990.6
12.5°	6901.7	6797.5	6938.5	7091.8	7186.9
15°	6855.7	6763.8	7027.4	7288.1	7377.0
17.5°	6809.7	6751.5	7137.8	7364.7	7352.4
20°	6751.5	6745.4	7220.6	7143.9	6956.9
22.5°	6687.1	6748.4	7156.2	6595.1	6227.2
25°	6613.5	6742.3	6871.1	5816.3	5341.1
27.5°	6539.9	6714.7	6352.9	4964.0	4494.9
30°	6466.3	6641.1	5653.8	4185.2	3759.0
32.5°	6380.5	6481.7	4893.5	3495.3	3102.9
35°	6291.6	6190.4	4172.9	2872.9	2498.8
37.5°	6199.6	5770.3	3526.0	2327.1	2088.0
40°	6089.2	5243.0	2931.2	1996.0	2060.4
42.5°	5951.2	4648.2	2406.9	2094.1	2541.8
45°	5776.5	4028.8	2035.9	2597.0	3127.4
47.5°	5555.7	3434.0	1943.9	2974.1	3139.7
50°	5289.0	2888.2	2137.1	2851.4	2839.2
52.5°	4884.3	2434.5	2333.3	2600.0	2698.1
55°	4442.7	2066.5	2305.7	2480.5	2655.2
57.5°	3884.7	1818.2	2115.6	2455.9	2658.3
60°	3329.8	1652.6	1953.1	2452.9	2643.0
62.5°	2716.5	1502.4	1870.3	2394.6	2508.0
65°	2143.2	1339.9	1796.7	2183.0	2235.2
67.5°	1643.4	1174.3	1667.9	1947.0	2051.2
70°	1238.7	1011.8	1465.6	1766.1	1894.8
72.5°	892.2	858.5	1257.1	1606.6	1741.5
75°	631.6	714.4	1076.2	1425.7	1520.8
77.5°	435.4	582.6	922.9	1226.4	1303.1
80°	285.1	466.0	784.9	1054.7	1106.9
82.5°	171.7	374.1	680.7	922.9	950.5
85°	88.9	303.5	610.1	830.9	843.2
87.5°	27.6	254.5	570.3	788.0	803.3
90°	3.1	226.9	545.8	646.9	597.9
92.5°	0.0	214.6	472.2	441.5	395.5
95°	0.0	211.6	377.1	334.2	315.8
97.5°	0.0	205.4	309.7	279.0	269.8
100°	0.0	199.3	266.7	245.3	242.2
102.5°	0.0	196.2	242.2	223.8	220.8
105°	0.0	190.1	233.0	211.6	208.5
107.5°	0.0	180.9	226.9	205.4	199.3
110°	0.0	171.7	226.9	202.4	193.2



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CATALOG NUMBER: 8SNLED-LD5-200HL-SLC-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	162.5	226.9	199.3	190.1
115°	0.0	156.4	223.8	199.3	190.1
117.5°	3.1	150.2	220.8	199.3	190.1
120°	0.0	144.1	214.6	199.3	187.0
122.5°	3.1	134.9	208.5	196.2	187.0
125°	3.1	125.7	199.3	193.2	184.0
127.5°	3.1	116.5	190.1	187.0	177.8
130°	3.1	107.3	180.9	184.0	174.8
132.5°	3.1	98.1	168.6	177.8	171.7
135°	3.1	88.9	159.4	174.8	168.6
137.5°	3.1	79.7	147.2	165.6	165.6
140°	3.1	70.5	134.9	159.4	162.5
142.5°	3.1	64.4	122.6	153.3	156.4
145°	3.1	55.2	110.4	141.0	150.2
147.5°	3.1	49.1	98.1	128.8	141.0
150°	3.1	42.9	85.9	116.5	128.8
152.5°	3.1	36.8	76.7	101.2	119.6
155°	6.1	33.7	67.5	88.9	107.3
157.5°	6.1	27.6	55.2	76.7	92.0
160°	6.1	24.5	49.1	64.4	82.8
162.5°	6.1	21.5	39.9	55.2	70.5
165°	6.1	18.4	33.7	42.9	58.3
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)