

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-LD5-120SL-SLN-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 (P27402)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNLED-LD5-120SL-SLN-UNV-L950-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

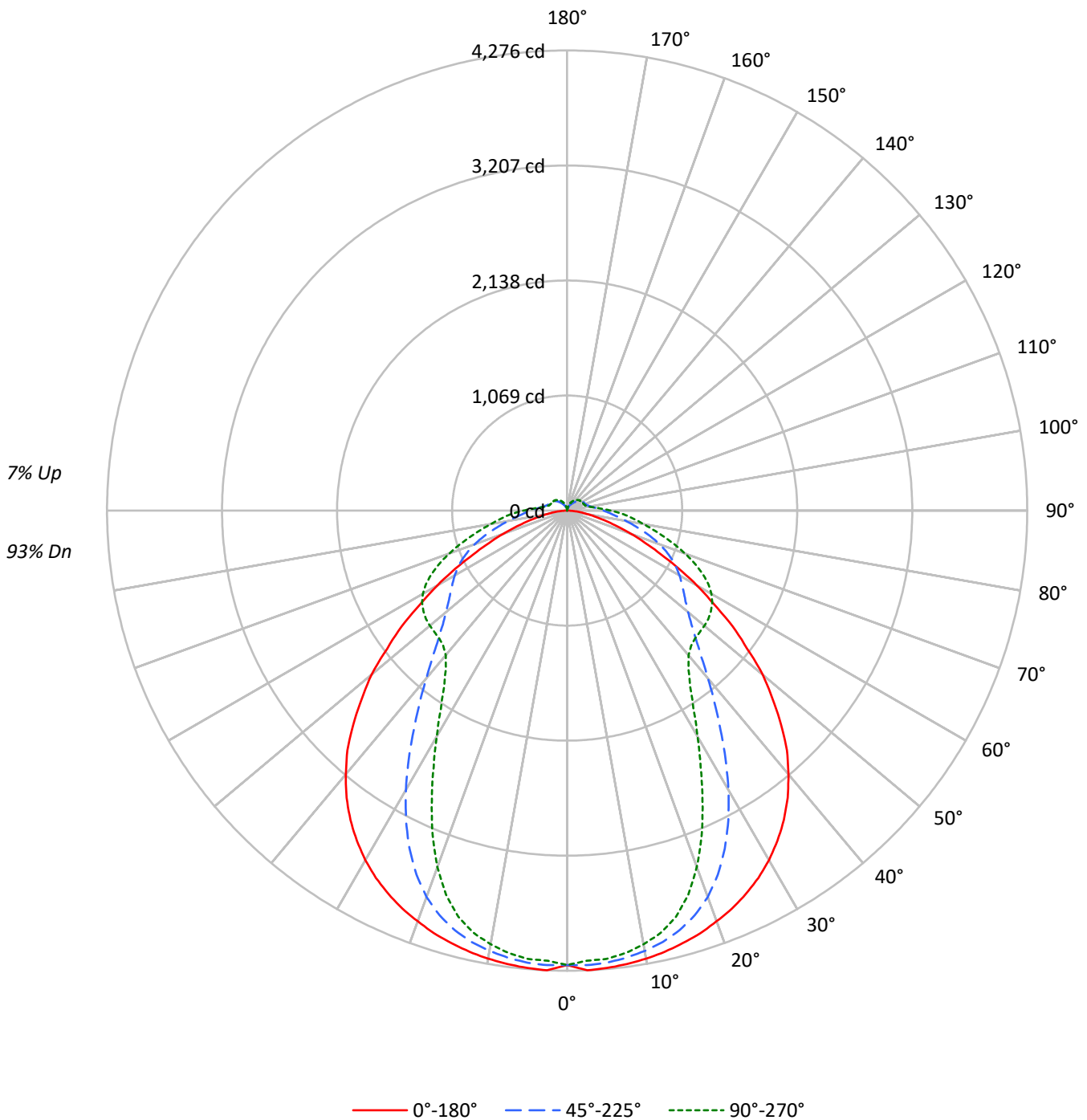
Lumens per Lamp: N/A  
Luminaire Lumens: 10619.0 lumens  
Efficiency: N/A  
Efficacy: 115.4 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 92  
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	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°	17061	17061	17061
5°	17281	16700	16423
10°	17299	16253	15747
15°	17329	15723	14849
20°	17363	14926	13336
25°	17398	13689	11293
30°	17344	12057	9288
35°	17128	10268	7784
40°	16662	8705	7037
45°	15818	7574	6983
50°	14654	6932	7229
55°	12948	6673	7481
60°	10974	6588	7585
65°	8879	6455	7348
70°	7192	6136	6777
75°	5495	5570	6014
80°	4157	5022	5350
85°	2958	4765	4920



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.5	3.8
10°-20°	1129.1	10.6
20°-30°	1578.4	14.9
30°-40°	1637.2	15.4
40°-50°	1512.5	14.2
50°-60°	1350.4	12.7
60°-70°	1094.4	10.3
70°-80°	727.9	6.9
80°-90°	416.8	3.9
90°-100°	230.6	2.2
100°-110°	156.2	1.5
110°-120°	130.0	1.2
120°-130°	105.7	1.0
130°-140°	76.2	0.7
140°-150°	46.0	0.4
150°-160°	22.1	0.2
160°-170°	5.7	0.1
170°-180°	0.0	0.0
0°-30°	3107.1	29.3
0°-40°	4744.3	44.7
0°-60°	7607.3	71.6
0°-90°	9846.5	92.7
90°-120°	516.8	4.9
90°-150°	744.7	7.0
90°-180°	773.0	7.3
0°-180°	10619.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4222	4222	4222	4222	4222	
5°	4267	4195	4217	4188	4182	406
15°	4160	4072	4037	3945	3907	1176
25°	3931	3756	3466	3103	2976	1811
35°	3510	3125	2485	2086	1993	2190
45°	2811	2228	1692	1631	1681	2162
55°	1879	1420	1321	1536	1631	1671
65°	960	859	1075	1318	1387	970
75°	372	466	725	888	925	408
85°	75	216	428	547	562	87
90°	4	152	338	407	404	6
95°	4	128	268	286	277	3
105°	2	112	193	187	178	2
115°	2	101	171	169	163	2
125°	2	86	150	158	154	2
135°	4	64	119	140	140	3
145°	4	40	83	108	116	2
155°	4	26	51	68	83	2
165°	4	15	26	33	44	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 8SNLED-LD5-120SL-SLN-UNV-L950-CD1-U

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4222.5	4222.5	4222.5	4222.5	4222.5
2.5°	4275.8	4206.0	4228.0	4209.7	4185.8
5°	4266.6	4195.0	4217.0	4187.7	4182.2
7.5°	4250.1	4178.5	4191.3	4156.5	4147.3
10°	4228.0	4152.8	4154.6	4105.1	4092.2
12.5°	4198.7	4116.1	4105.1	4037.2	4018.8
15°	4160.1	4072.1	4037.2	3945.4	3906.9
17.5°	4117.9	4015.2	3943.6	3802.3	3741.7
20°	4061.1	3945.4	3820.7	3605.9	3525.2
22.5°	4004.2	3861.0	3661.0	3374.7	3266.5
25°	3930.8	3756.4	3466.5	3103.1	2976.5
27.5°	3848.2	3633.5	3242.6	2824.2	2688.4
30°	3750.9	3484.8	2996.7	2550.8	2422.3
32.5°	3637.1	3317.8	2738.0	2304.9	2185.6
35°	3510.5	3125.2	2484.7	2086.5	1992.9
37.5°	3365.6	2914.1	2249.8	1910.3	1849.8
40°	3200.4	2684.7	2033.3	1774.5	1754.3
42.5°	3022.4	2460.9	1847.9	1686.4	1704.8
45°	2811.4	2227.8	1692.0	1631.4	1680.9
47.5°	2589.3	2000.2	1565.3	1600.2	1671.8
50°	2374.6	1789.2	1466.2	1580.0	1664.4
52.5°	2108.5	1600.2	1387.3	1561.7	1653.4
55°	1879.1	1420.4	1321.3	1536.0	1631.4
57.5°	1614.9	1258.9	1262.5	1502.9	1598.4
60°	1394.7	1112.1	1205.7	1457.1	1548.8
62.5°	1170.8	979.9	1143.3	1396.5	1479.1
65°	959.8	858.8	1075.4	1317.6	1387.3
67.5°	783.6	748.7	998.3	1222.2	1280.9
70°	634.9	647.8	913.9	1115.7	1165.3
72.5°	488.1	554.2	822.1	1002.0	1044.2
75°	372.5	466.1	724.9	888.2	924.9
77.5°	275.3	389.0	636.8	785.4	816.6
80°	194.5	321.1	554.2	695.5	719.4
82.5°	130.3	264.3	486.3	614.8	636.8
85°	75.2	216.5	427.6	546.9	561.5
87.5°	31.2	179.8	379.9	477.1	484.5
90°	3.7	152.3	337.7	407.4	403.7
92.5°	3.7	137.6	301.0	341.3	332.2
95°	3.7	128.5	267.9	286.3	277.1
97.5°	3.7	123.0	238.6	245.9	236.7
100°	1.8	119.3	218.4	218.4	209.2
102.5°	1.8	115.6	203.7	198.2	190.8
105°	1.8	111.9	192.7	187.2	178.0
107.5°	1.8	110.1	185.3	179.8	170.7
110°	1.8	106.4	179.8	174.3	167.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	104.6	176.2	172.5	163.3
115°	1.8	100.9	170.7	168.8	163.3
117.5°	1.8	97.3	167.0	167.0	161.5
120°	1.8	93.6	161.5	165.2	159.7
122.5°	1.8	89.9	156.0	161.5	156.0
125°	1.8	86.2	150.5	157.8	154.1
127.5°	3.7	80.7	143.1	154.1	150.5
130°	1.8	75.2	135.8	150.5	148.6
132.5°	3.7	69.7	128.5	145.0	145.0
135°	3.7	64.2	119.3	139.5	139.5
137.5°	3.7	56.9	110.1	132.1	134.0
140°	3.7	51.4	100.9	124.8	128.5
142.5°	3.7	45.9	91.8	117.4	123.0
145°	3.7	40.4	82.6	108.3	115.6
147.5°	3.7	36.7	73.4	97.3	108.3
150°	3.7	31.2	66.1	88.1	99.1
152.5°	3.7	27.5	58.7	78.9	91.8
155°	3.7	25.7	51.4	67.9	82.6
157.5°	3.7	22.0	44.0	58.7	73.4
160°	3.7	18.4	36.7	51.4	62.4
162.5°	3.7	16.5	31.2	42.2	55.1
165°	3.7	14.7	25.7	33.0	44.0
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)