

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-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 (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-L835-CD1-U  
Description: 8FT LINEAR SNLED LED FIXTURE  
SQUARE NARROW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

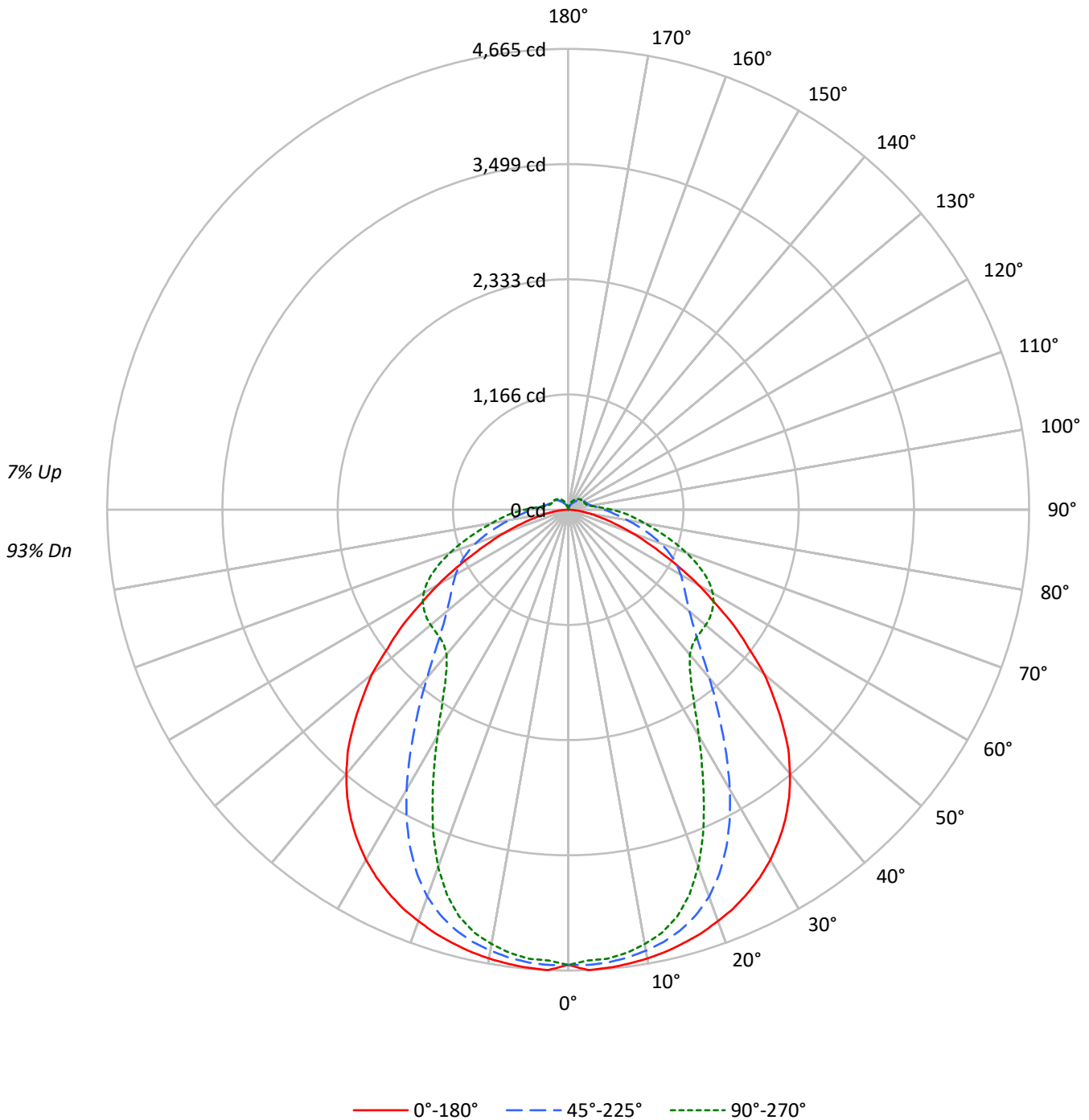
Lumens per Lamp: N/A  
Luminaire Lumens: 11586.0 lumens  
Efficiency: N/A  
Efficacy: 125.9 lumens/watt  
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 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°	18615	18615	18615
5°	18855	18221	17919
10°	18875	17734	17182
15°	18908	17155	16201
20°	18944	16285	14550
25°	18982	14936	12322
30°	18923	13155	10134
35°	18688	11203	8493
40°	18179	9498	7678
45°	17258	8264	7620
50°	15988	7564	7887
55°	14128	7280	8163
60°	11973	7188	8276
65°	9686	7042	8018
70°	7848	6694	7394
75°	5995	6077	6561
80°	4536	5479	5837
85°	3229	5199	5369



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	435.9	3.8
10°-20°	1232.0	10.6
20°-30°	1722.2	14.9
30°-40°	1786.3	15.4
40°-50°	1650.3	14.2
50°-60°	1473.4	12.7
60°-70°	1194.1	10.3
70°-80°	794.2	6.9
80°-90°	454.8	3.9
90°-100°	251.6	2.2
100°-110°	170.4	1.5
110°-120°	141.9	1.2
120°-130°	115.3	1.0
130°-140°	83.2	0.7
140°-150°	50.2	0.4
150°-160°	24.1	0.2
160°-170°	6.2	0.1
170°-180°	0.0	0.0
0°-30°	3390.0	29.3
0°-40°	5176.3	44.7
0°-60°	8300.0	71.6
0°-90°	10743.1	92.7
90°-120°	563.9	4.9
90°-150°	812.5	7.0
90°-180°	843.0	7.3
0°-180°	11586.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4607	4607	4607	4607	4607	
5°	4655	4577	4601	4569	4563	443
15°	4539	4443	4405	4305	4263	1283
25°	4289	4098	3782	3386	3248	1976
35°	3830	3410	2711	2276	2174	2390
45°	3067	2431	1846	1780	1834	2358
55°	2050	1550	1442	1676	1780	1823
65°	1047	937	1173	1438	1514	1058
75°	406	509	791	969	1009	446
85°	82	236	466	597	613	94
90°	4	166	368	444	440	6
95°	4	140	292	312	302	3
105°	2	122	210	204	194	2
115°	2	110	186	184	178	2
125°	2	94	164	172	168	2
135°	4	70	130	152	152	3
145°	4	44	90	118	126	3
155°	4	28	56	74	90	2
165°	4	16	28	36	48	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4607.1	4607.1	4607.1	4607.1	4607.1
2.5°	4665.1	4589.0	4613.1	4593.0	4567.0
5°	4655.1	4577.0	4601.1	4569.0	4563.0
7.5°	4637.1	4559.0	4573.0	4535.0	4525.0
10°	4613.1	4531.0	4533.0	4478.9	4464.9
12.5°	4581.0	4490.9	4478.9	4404.8	4384.8
15°	4539.0	4442.9	4404.8	4304.7	4262.7
17.5°	4492.9	4380.8	4302.7	4148.6	4082.5
20°	4430.9	4304.7	4168.6	3934.3	3846.2
22.5°	4368.8	4212.6	3994.4	3682.0	3563.9
25°	4288.7	4098.5	3782.2	3385.7	3247.6
27.5°	4198.6	3964.4	3537.9	3081.4	2933.2
30°	4092.5	3802.2	3269.6	2783.1	2642.9
32.5°	3968.4	3620.0	2987.3	2514.8	2384.6
35°	3830.2	3409.7	2711.0	2276.5	2174.4
37.5°	3672.0	3179.5	2454.7	2084.3	2018.2
40°	3491.8	2929.2	2218.4	1936.1	1914.1
42.5°	3297.6	2684.9	2016.2	1840.0	1860.0
45°	3067.4	2430.7	1846.0	1780.0	1834.0
47.5°	2825.1	2182.4	1707.9	1745.9	1824.0
50°	2590.8	1952.1	1599.8	1723.9	1816.0
52.5°	2300.5	1745.9	1513.7	1703.9	1804.0
55°	2050.3	1549.7	1441.6	1675.8	1780.0
57.5°	1761.9	1373.5	1377.5	1639.8	1743.9
60°	1521.7	1213.3	1315.4	1589.7	1689.9
62.5°	1277.4	1069.2	1247.4	1523.7	1613.8
65°	1047.1	937.0	1173.3	1437.6	1513.7
67.5°	854.9	816.9	1089.2	1333.5	1397.5
70°	692.8	706.8	997.1	1217.3	1271.4
72.5°	532.6	604.7	897.0	1093.2	1139.3
75°	406.4	508.6	790.9	969.1	1009.1
77.5°	300.3	424.5	694.8	856.9	891.0
80°	212.2	350.4	604.7	758.8	784.9
82.5°	142.2	288.3	530.6	670.7	694.8
85°	82.1	236.3	466.5	596.7	612.7
87.5°	34.0	196.2	414.5	520.6	528.6
90°	4.0	166.2	368.4	444.5	440.5
92.5°	4.0	150.2	328.4	372.4	362.4
95°	4.0	140.2	292.3	312.3	302.3
97.5°	4.0	134.1	260.3	268.3	258.3
100°	2.0	130.1	238.3	238.3	228.3
102.5°	2.0	126.1	222.2	216.2	208.2
105°	2.0	122.1	210.2	204.2	194.2
107.5°	2.0	120.1	202.2	196.2	186.2
110°	2.0	116.1	196.2	190.2	182.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	114.1	192.2	188.2	178.2
115°	2.0	110.1	186.2	184.2	178.2
117.5°	2.0	106.1	182.2	182.2	176.2
120°	2.0	102.1	176.2	180.2	174.2
122.5°	2.0	98.1	170.2	176.2	170.2
125°	2.0	94.1	164.2	172.2	168.2
127.5°	4.0	88.1	156.2	168.2	164.2
130°	2.0	82.1	148.2	164.2	162.2
132.5°	4.0	76.1	140.2	158.2	158.2
135°	4.0	70.1	130.1	152.2	152.2
137.5°	4.0	62.1	120.1	144.2	146.2
140°	4.0	56.1	110.1	136.1	140.2
142.5°	4.0	50.1	100.1	128.1	134.1
145°	4.0	44.0	90.1	118.1	126.1
147.5°	4.0	40.0	80.1	106.1	118.1
150°	4.0	34.0	72.1	96.1	108.1
152.5°	4.0	30.0	64.1	86.1	100.1
155°	4.0	28.0	56.1	74.1	90.1
157.5°	4.0	24.0	48.1	64.1	80.1
160°	4.0	20.0	40.0	56.1	68.1
162.5°	4.0	18.0	34.0	46.1	60.1
165°	4.0	16.0	28.0	36.0	48.1
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)