

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-L940-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-L940-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

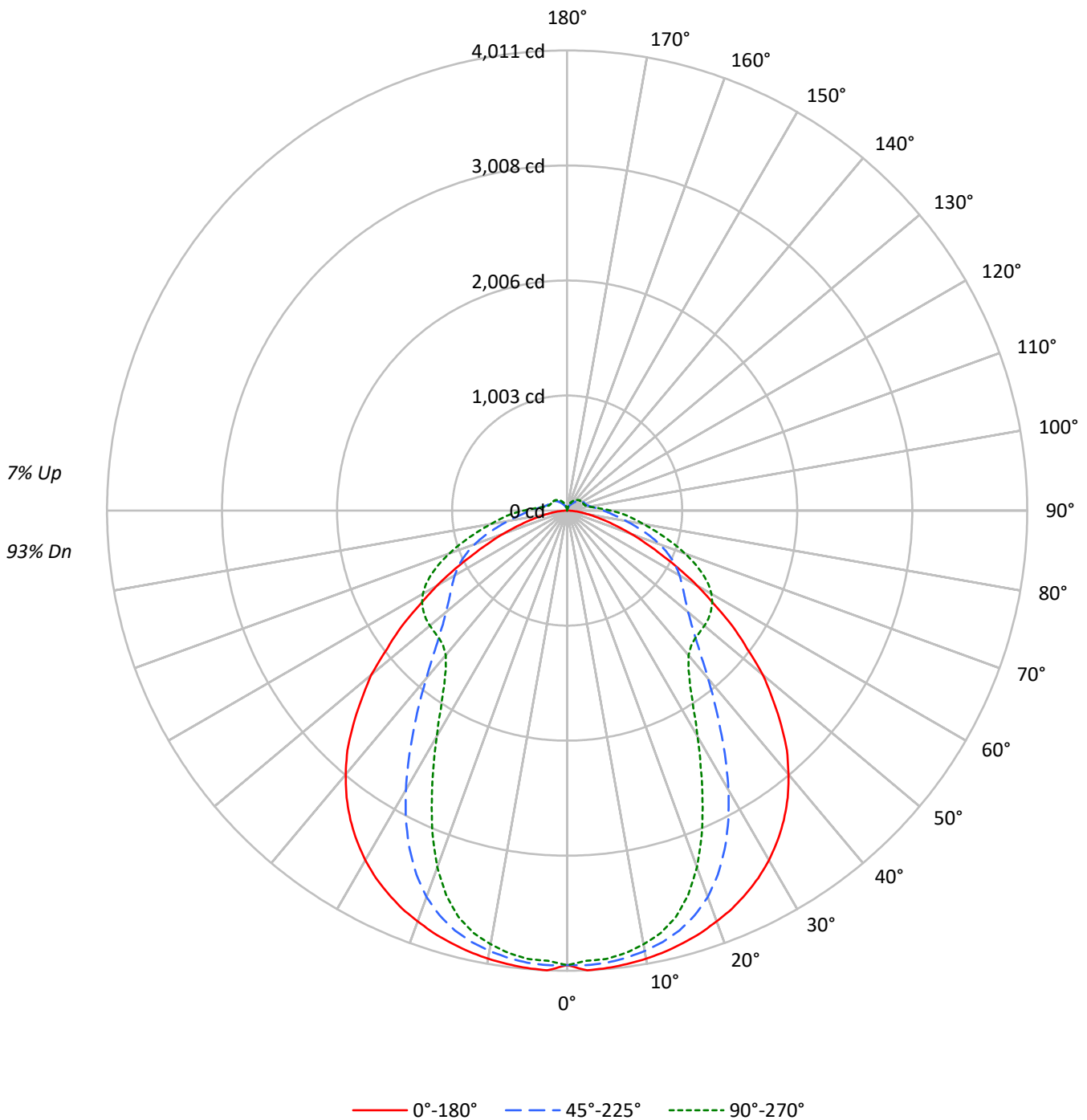
Lumens per Lamp: N/A
Luminaire Lumens: 9962.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Direct

Input Watts (W): 92
Input Voltage (V): NR
Input Current (A_{in}): 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°	16006	16006	16006
5°	16212	15667	15407
10°	16229	15248	14773
15°	16258	14750	13931
20°	16289	14003	12511
25°	16321	12842	10595
30°	16271	11311	8714
35°	16069	9633	7303
40°	15631	8167	6601
45°	14839	7106	6551
50°	13747	6503	6781
55°	12148	6260	7019
60°	10295	6181	7115
65°	8329	6055	6894
70°	6748	5756	6358
75°	5156	5225	5642
80°	3901	4711	5018
85°	2777	4470	4616



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.8	3.8
10°-20°	1059.3	10.6
20°-30°	1480.8	14.9
30°-40°	1535.9	15.4
40°-50°	1419.0	14.2
50°-60°	1266.9	12.7
60°-70°	1026.7	10.3
70°-80°	682.9	6.9
80°-90°	391.0	3.9
90°-100°	216.3	2.2
100°-110°	146.5	1.5
110°-120°	122.0	1.2
120°-130°	99.2	1.0
130°-140°	71.5	0.7
140°-150°	43.1	0.4
150°-160°	20.7	0.2
160°-170°	5.4	0.1
170°-180°	0.0	0.0
0°-30°	2914.8	29.3
0°-40°	4450.8	44.7
0°-60°	7136.6	71.6
0°-90°	9237.3	92.7
90°-120°	484.8	4.9
90°-150°	698.6	7.0
90°-180°	725.0	7.3
0°-180°	9962.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3961	3961	3961	3961	3961	
5°	4003	3936	3956	3929	3923	381
15°	3903	3820	3787	3701	3665	1103
25°	3688	3524	3252	2911	2792	1699
35°	3293	2932	2331	1957	1870	2055
45°	2637	2090	1587	1530	1577	2028
55°	1763	1332	1240	1441	1530	1568
65°	900	806	1009	1236	1302	910
75°	350	437	680	833	868	383
85°	71	203	401	513	527	81
90°	3	143	317	382	379	5
95°	3	120	251	269	260	3
105°	2	105	181	176	167	2
115°	2	95	160	158	153	2
125°	2	81	141	148	145	2
135°	3	60	112	131	131	2
145°	3	38	78	102	108	2
155°	3	24	48	64	78	2
165°	3	14	24	31	41	1
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3961.3	3961.3	3961.3	3961.3	3961.3
2.5°	4011.2	3945.8	3966.5	3949.2	3926.9
5°	4002.6	3935.5	3956.1	3928.6	3923.4
7.5°	3987.1	3920.0	3932.0	3899.3	3890.7
10°	3966.5	3895.9	3897.6	3851.1	3839.1
12.5°	3938.9	3861.4	3851.1	3787.4	3770.2
15°	3902.8	3820.1	3787.4	3701.3	3665.2
17.5°	3863.2	3766.8	3699.6	3567.1	3510.2
20°	3809.8	3701.3	3584.3	3382.8	3307.1
22.5°	3756.4	3622.1	3434.5	3165.9	3064.4
25°	3687.6	3524.0	3252.0	2911.1	2792.4
27.5°	3610.1	3408.7	3042.0	2649.5	2522.1
30°	3518.9	3269.2	2811.3	2393.0	2272.4
32.5°	3412.1	3112.6	2568.6	2162.3	2050.4
35°	3293.3	2931.8	2331.0	1957.4	1869.6
37.5°	3157.3	2733.8	2110.6	1792.1	1735.3
40°	3002.4	2518.6	1907.5	1664.7	1645.8
42.5°	2835.4	2308.6	1733.6	1582.1	1599.3
45°	2637.4	2090.0	1587.3	1530.5	1576.9
47.5°	2429.1	1876.5	1468.5	1501.2	1568.3
50°	2227.7	1678.5	1375.5	1482.3	1561.4
52.5°	1978.1	1501.2	1301.5	1465.0	1551.1
55°	1762.9	1332.5	1239.5	1440.9	1530.5
57.5°	1515.0	1181.0	1184.4	1410.0	1499.5
60°	1308.4	1043.3	1131.1	1366.9	1453.0
62.5°	1098.3	919.3	1072.5	1310.1	1387.6
65°	900.4	805.7	1008.8	1236.1	1301.5
67.5°	735.1	702.4	936.5	1146.6	1201.6
70°	595.7	607.7	857.3	1046.7	1093.2
72.5°	457.9	519.9	771.3	940.0	979.6
75°	349.5	437.3	680.0	833.2	867.7
77.5°	258.2	365.0	597.4	736.8	766.1
80°	182.5	301.3	519.9	652.5	674.8
82.5°	122.2	247.9	456.2	576.7	597.4
85°	70.6	203.1	401.1	513.0	526.8
87.5°	29.3	168.7	356.4	447.6	454.5
90°	3.4	142.9	316.8	382.2	378.7
92.5°	3.4	129.1	282.3	320.2	311.6
95°	3.4	120.5	251.3	268.6	260.0
97.5°	3.4	115.3	223.8	230.7	222.1
100°	1.7	111.9	204.9	204.9	196.3
102.5°	1.7	108.5	191.1	185.9	179.0
105°	1.7	105.0	180.8	175.6	167.0
107.5°	1.7	103.3	173.9	168.7	160.1
110°	1.7	99.8	168.7	163.5	156.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.7	98.1	165.3	161.8	153.2
115°	1.7	94.7	160.1	158.4	153.2
117.5°	1.7	91.2	156.7	156.7	151.5
120°	1.7	87.8	151.5	154.9	149.8
122.5°	1.7	84.4	146.3	151.5	146.3
125°	1.7	80.9	141.2	148.1	144.6
127.5°	3.4	75.7	134.3	144.6	141.2
130°	1.7	70.6	127.4	141.2	139.4
132.5°	3.4	65.4	120.5	136.0	136.0
135°	3.4	60.3	111.9	130.8	130.8
137.5°	3.4	53.4	103.3	124.0	125.7
140°	3.4	48.2	94.7	117.1	120.5
142.5°	3.4	43.0	86.1	110.2	115.3
145°	3.4	37.9	77.5	101.6	108.5
147.5°	3.4	34.4	68.9	91.2	101.6
150°	3.4	29.3	62.0	82.6	93.0
152.5°	3.4	25.8	55.1	74.0	86.1
155°	3.4	24.1	48.2	63.7	77.5
157.5°	3.4	20.7	41.3	55.1	68.9
160°	3.4	17.2	34.4	48.2	58.5
162.5°	3.4	15.5	29.3	39.6	51.6
165°	3.4	13.8	24.1	31.0	41.3
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)