

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: **2SNLED-LD5-22SL-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: 2SNLED-LD5-22SL-SLN-UNV-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

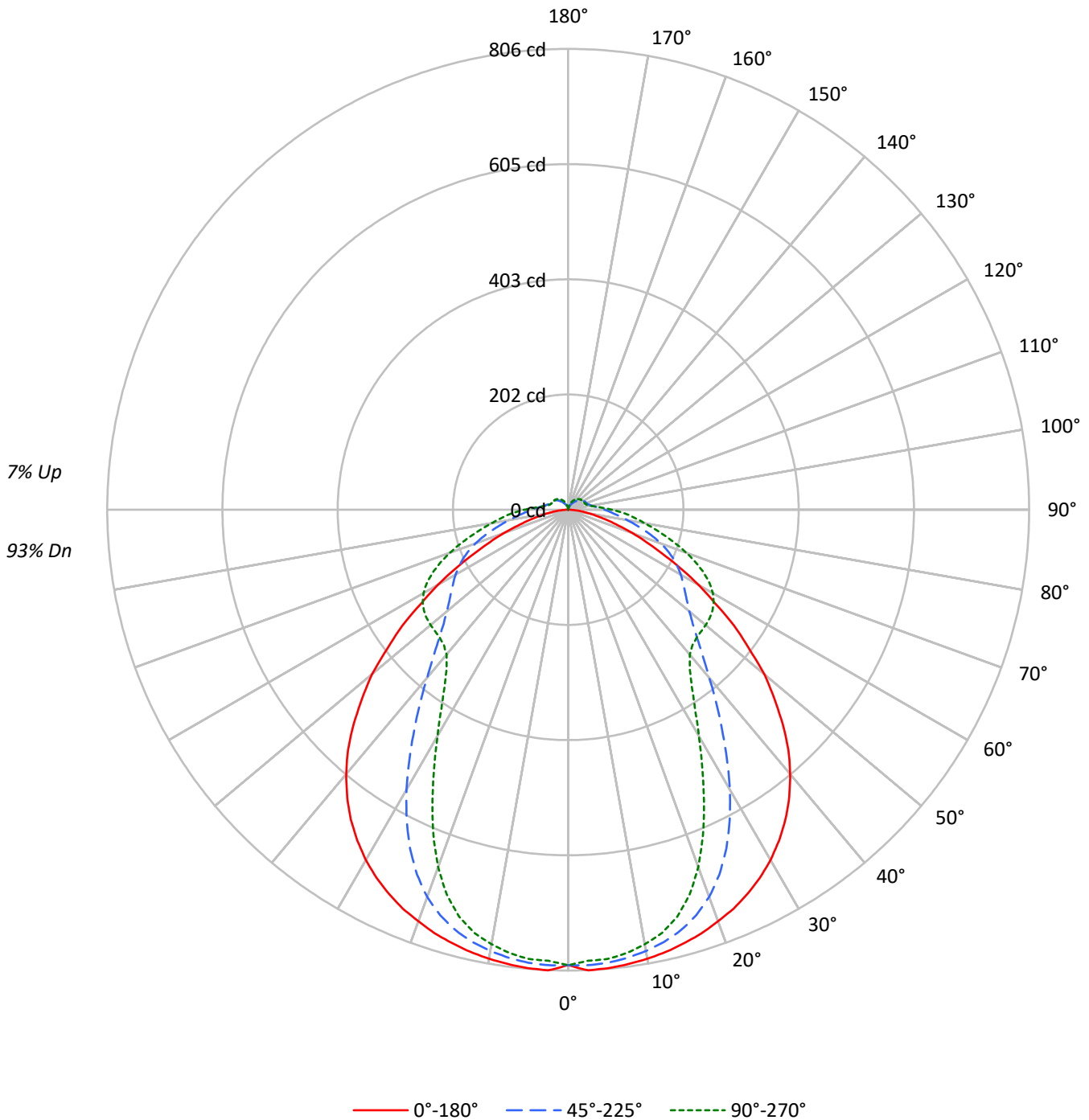
Lumens per Lamp: N/A
Luminaire Lumens: 2003.0 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 18
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	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°	12873	12873	12873
5°	12986	12564	12392
10°	12945	12196	11882
15°	12913	11765	11203
20°	12882	11140	10061
25°	12847	10190	8520
30°	12744	8950	7008
35°	12518	7600	5873
40°	12102	6422	5309
45°	11408	5569	5270
50°	10481	5080	5455
55°	9168	4869	5644
60°	7674	4785	5722
65°	6104	4661	5545
70°	4831	4402	5113
75°	3560	3960	4539
80°	2522	3529	4037
85°	1536	3297	3712



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.4	3.8
10°-20°	213.0	10.6
20°-30°	297.7	14.9
30°-40°	308.8	15.4
40°-50°	285.3	14.2
50°-60°	254.7	12.7
60°-70°	206.4	10.3
70°-80°	137.3	6.9
80°-90°	78.6	3.9
90°-100°	43.5	2.2
100°-110°	29.5	1.5
110°-120°	24.5	1.2
120°-130°	19.9	1.0
130°-140°	14.4	0.7
140°-150°	8.7	0.4
150°-160°	4.2	0.2
160°-170°	1.1	0.1
170°-180°	0.0	0.0
0°-30°	586.1	29.3
0°-40°	894.9	44.7
0°-60°	1434.9	71.6
0°-90°	1857.3	92.7
90°-120°	97.5	4.9
90°-150°	140.5	7.0
90°-180°	146.0	7.3
0°-180°	2003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	805	791	795	790	789	77
15°	785	768	762	744	737	222
25°	741	709	654	585	561	342
35°	662	590	469	394	376	413
45°	530	420	319	308	317	408
55°	354	268	249	290	308	315
65°	181	162	203	248	262	183
75°	70	88	137	168	174	77
85°	14	41	81	103	106	16
90°	1	29	64	77	76	1
95°	1	24	50	54	52	1
105°	0	21	36	35	34	0
115°	0	19	32	32	31	0
125°	0	16	28	30	29	0
135°	1	12	22	26	26	1
145°	1	8	16	20	22	0
155°	1	5	10	13	16	0
165°	1	3	5	6	8	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	796.5	796.5	796.5	796.5	796.5
2.5°	806.5	793.4	797.5	794.0	789.6
5°	804.8	791.3	795.4	789.9	788.9
7.5°	801.7	788.2	790.6	784.0	782.3
10°	797.5	783.3	783.7	774.3	771.9
12.5°	792.0	776.4	774.3	761.5	758.1
15°	784.7	768.1	761.5	744.2	736.9
17.5°	776.7	757.4	743.9	717.2	705.8
20°	766.0	744.2	720.7	680.2	664.9
22.5°	755.3	728.3	690.6	636.6	616.1
25°	741.4	708.6	653.9	585.3	561.4
27.5°	725.9	685.4	611.6	532.7	507.1
30°	707.5	657.3	565.3	481.1	456.9
32.5°	686.1	625.8	516.4	434.8	412.3
35°	662.2	589.5	468.7	393.6	375.9
37.5°	634.8	549.7	424.4	360.3	348.9
40°	603.7	506.4	383.5	334.7	330.9
42.5°	570.1	464.2	348.6	318.1	321.6
45°	530.3	420.2	319.1	307.7	317.1
47.5°	488.4	377.3	295.3	301.8	315.3
50°	447.9	337.5	276.6	298.0	314.0
52.5°	397.7	301.8	261.7	294.6	311.9
55°	354.4	267.9	249.2	289.7	307.7
57.5°	304.6	237.5	238.1	283.5	301.5
60°	263.1	209.8	227.4	274.8	292.1
62.5°	220.8	184.8	215.6	263.4	279.0
65°	181.0	162.0	202.8	248.5	261.7
67.5°	147.8	141.2	188.3	230.5	241.6
70°	119.8	122.2	172.4	210.5	219.8
72.5°	92.1	104.5	155.1	189.0	197.0
75°	70.3	87.9	136.7	167.5	174.5
77.5°	51.9	73.4	120.1	148.1	154.0
80°	36.7	60.6	104.5	131.2	135.7
82.5°	24.6	49.8	91.7	116.0	120.1
85°	14.2	40.8	80.7	103.2	105.9
87.5°	5.9	33.9	71.7	90.0	91.4
90°	0.7	28.7	63.7	76.8	76.2
92.5°	0.7	26.0	56.8	64.4	62.7
95°	0.7	24.2	50.5	54.0	52.3
97.5°	0.7	23.2	45.0	46.4	44.7
100°	0.3	22.5	41.2	41.2	39.5
102.5°	0.3	21.8	38.4	37.4	36.0
105°	0.3	21.1	36.3	35.3	33.6
107.5°	0.3	20.8	35.0	33.9	32.2
110°	0.3	20.1	33.9	32.9	31.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.3	19.7	33.2	32.5	30.8
115°	0.3	19.0	32.2	31.8	30.8
117.5°	0.3	18.3	31.5	31.5	30.5
120°	0.3	17.7	30.5	31.2	30.1
122.5°	0.3	17.0	29.4	30.5	29.4
125°	0.3	16.3	28.4	29.8	29.1
127.5°	0.7	15.2	27.0	29.1	28.4
130°	0.3	14.2	25.6	28.4	28.0
132.5°	0.7	13.2	24.2	27.3	27.3
135°	0.7	12.1	22.5	26.3	26.3
137.5°	0.7	10.7	20.8	24.9	25.3
140°	0.7	9.7	19.0	23.5	24.2
142.5°	0.7	8.7	17.3	22.2	23.2
145°	0.7	7.6	15.6	20.4	21.8
147.5°	0.7	6.9	13.8	18.3	20.4
150°	0.7	5.9	12.5	16.6	18.7
152.5°	0.7	5.2	11.1	14.9	17.3
155°	0.7	4.8	9.7	12.8	15.6
157.5°	0.7	4.2	8.3	11.1	13.8
160°	0.7	3.5	6.9	9.7	11.8
162.5°	0.7	3.1	5.9	8.0	10.4
165°	0.7	2.8	4.8	6.2	8.3
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)