

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-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: 2SNLED-LD5-22SL-SLN-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

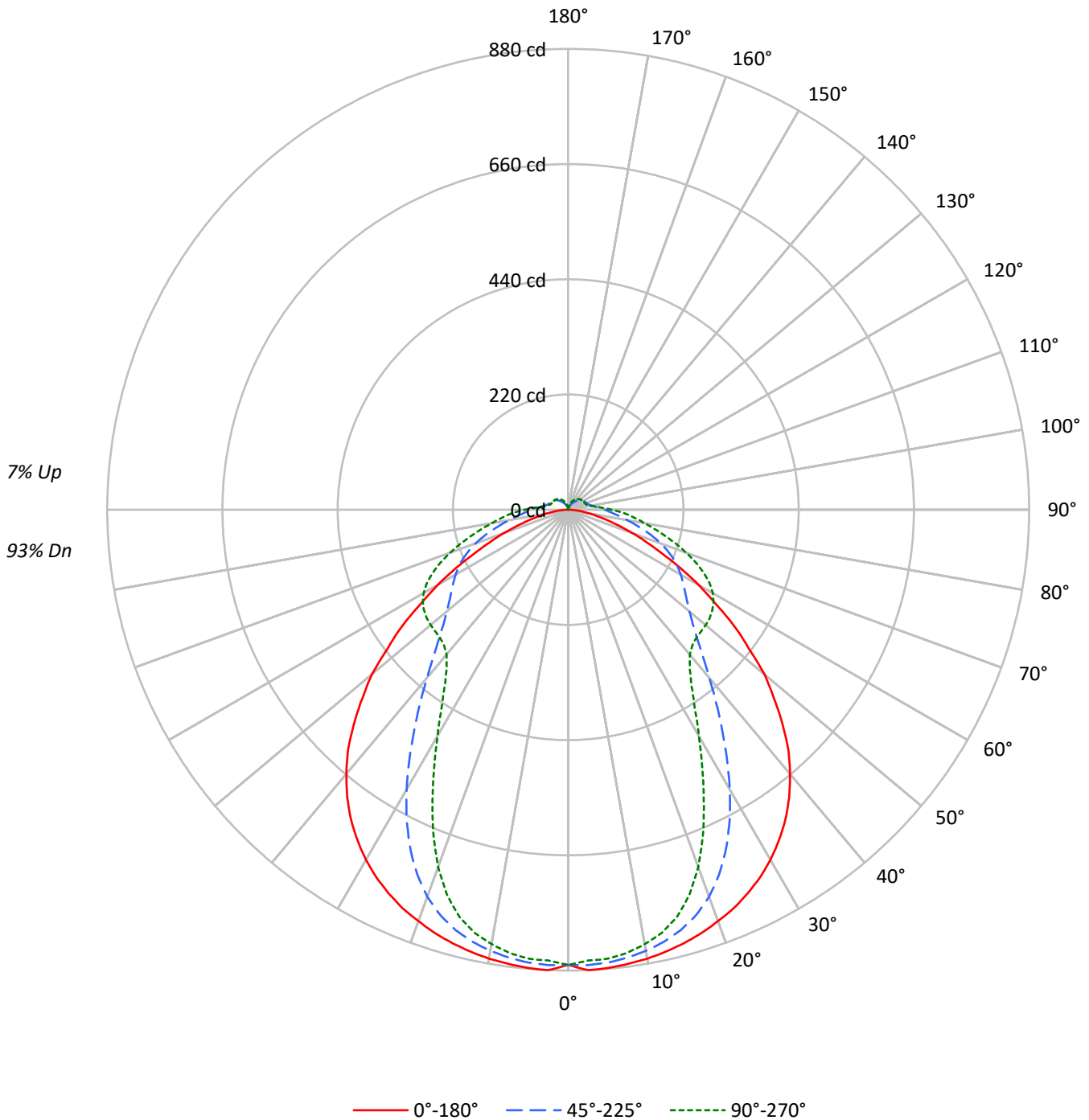
Lumens per Lamp: N/A
Luminaire Lumens: 2186.0 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 18
Input Voltage (V): NR
Input Current (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°	14048	14048	14048
5°	14172	13712	13523
10°	14129	13310	12967
15°	14093	12841	12228
20°	14059	12157	10981
25°	14022	11120	9299
30°	13909	9767	7649
35°	13661	8294	6410
40°	13207	7010	5794
45°	12449	6079	5750
50°	11438	5543	5952
55°	10006	5314	6160
60°	8374	5222	6245
65°	6664	5088	6051
70°	5271	4803	5581
75°	3884	4322	4952
80°	2749	3853	4405
85°	1677	3595	4052



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	3.8
10°-20°	232.4	10.6
20°-30°	324.9	14.9
30°-40°	337.0	15.4
40°-50°	311.4	14.2
50°-60°	278.0	12.7
60°-70°	225.3	10.3
70°-80°	149.9	6.9
80°-90°	85.8	3.9
90°-100°	47.5	2.2
100°-110°	32.2	1.5
110°-120°	26.8	1.2
120°-130°	21.8	1.0
130°-140°	15.7	0.7
140°-150°	9.5	0.4
150°-160°	4.6	0.2
160°-170°	1.2	0.1
170°-180°	0.0	0.0
0°-30°	639.6	29.3
0°-40°	976.7	44.7
0°-60°	1566.0	71.6
0°-90°	2027.0	92.7
90°-120°	106.4	4.9
90°-150°	153.3	7.0
90°-180°	159.0	7.3
0°-180°	2186.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	869	869	869	869	869	
5°	878	864	868	862	861	84
15°	856	838	831	812	804	242
25°	809	773	714	639	613	373
35°	723	643	512	430	410	451
45°	579	459	348	336	346	445
55°	387	292	272	316	336	344
65°	198	177	221	271	286	200
75°	77	96	149	183	190	84
85°	16	45	88	113	116	18
90°	1	31	70	84	83	1
95°	1	26	55	59	57	1
105°	0	23	40	38	37	0
115°	0	21	35	35	34	0
125°	0	18	31	32	32	0
135°	1	13	25	29	29	1
145°	1	8	17	22	24	1
155°	1	5	11	14	17	0
165°	1	3	5	7	9	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°	869.2	869.2	869.2	869.2	869.2
2.5°	880.2	865.8	870.4	866.6	861.7
5°	878.3	863.6	868.1	862.1	860.9
7.5°	874.9	860.2	862.8	855.6	853.8
10°	870.4	854.9	855.3	845.1	842.4
12.5°	864.3	847.3	845.1	831.1	827.3
15°	856.4	838.3	831.1	812.2	804.3
17.5°	847.7	826.6	811.8	782.7	770.3
20°	836.0	812.2	786.5	742.3	725.7
22.5°	824.3	794.8	753.6	694.7	672.4
25°	809.2	773.3	713.6	638.8	612.7
27.5°	792.2	748.0	667.5	581.4	553.4
30°	772.2	717.4	616.9	525.1	498.7
32.5°	748.7	683.0	563.6	474.5	449.9
35°	722.7	643.3	511.5	429.5	410.3
37.5°	692.8	599.9	463.1	393.3	380.8
40°	658.8	552.7	418.6	365.3	361.1
42.5°	622.2	506.6	380.4	347.2	350.9
45°	578.7	458.6	348.3	335.8	346.0
47.5°	533.0	411.8	322.2	329.4	344.1
50°	488.8	368.3	301.8	325.3	342.6
52.5°	434.1	329.4	285.6	321.5	340.4
55°	386.8	292.4	272.0	316.2	335.8
57.5°	332.4	259.1	259.9	309.4	329.0
60°	287.1	228.9	248.2	299.9	318.8
62.5°	241.0	201.7	235.3	287.5	304.5
65°	197.6	176.8	221.4	271.2	285.6
67.5°	161.3	154.1	205.5	251.6	263.7
70°	130.7	133.4	188.1	229.7	239.9
72.5°	100.5	114.1	169.2	206.3	214.9
75°	76.7	96.0	149.2	182.8	190.4
77.5°	56.7	80.1	131.1	161.7	168.1
80°	40.0	66.1	114.1	143.2	148.1
82.5°	26.8	54.4	100.1	126.6	131.1
85°	15.5	44.6	88.0	112.6	115.6
87.5°	6.4	37.0	78.2	98.2	99.7
90°	0.8	31.4	69.5	83.9	83.1
92.5°	0.8	28.3	62.0	70.3	68.4
95°	0.8	26.4	55.2	58.9	57.0
97.5°	0.8	25.3	49.1	50.6	48.7
100°	0.4	24.6	45.0	45.0	43.1
102.5°	0.4	23.8	41.9	40.8	39.3
105°	0.4	23.0	39.7	38.5	36.6
107.5°	0.4	22.7	38.2	37.0	35.1
110°	0.4	21.9	37.0	35.9	34.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	21.5	36.3	35.5	33.6
115°	0.4	20.8	35.1	34.8	33.6
117.5°	0.4	20.0	34.4	34.4	33.2
120°	0.4	19.3	33.2	34.0	32.9
122.5°	0.4	18.5	32.1	33.2	32.1
125°	0.4	17.8	31.0	32.5	31.7
127.5°	0.8	16.6	29.5	31.7	31.0
130°	0.4	15.5	28.0	31.0	30.6
132.5°	0.8	14.4	26.4	29.8	29.8
135°	0.8	13.2	24.6	28.7	28.7
137.5°	0.8	11.7	22.7	27.2	27.6
140°	0.8	10.6	20.8	25.7	26.4
142.5°	0.8	9.4	18.9	24.2	25.3
145°	0.8	8.3	17.0	22.3	23.8
147.5°	0.8	7.6	15.1	20.0	22.3
150°	0.8	6.4	13.6	18.1	20.4
152.5°	0.8	5.7	12.1	16.2	18.9
155°	0.8	5.3	10.6	14.0	17.0
157.5°	0.8	4.5	9.1	12.1	15.1
160°	0.8	3.8	7.6	10.6	12.8
162.5°	0.8	3.4	6.4	8.7	11.3
165°	0.8	3.0	5.3	6.8	9.1
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)