

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-SLC-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 (P27404)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-22SL-SLC-UNV-L950-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

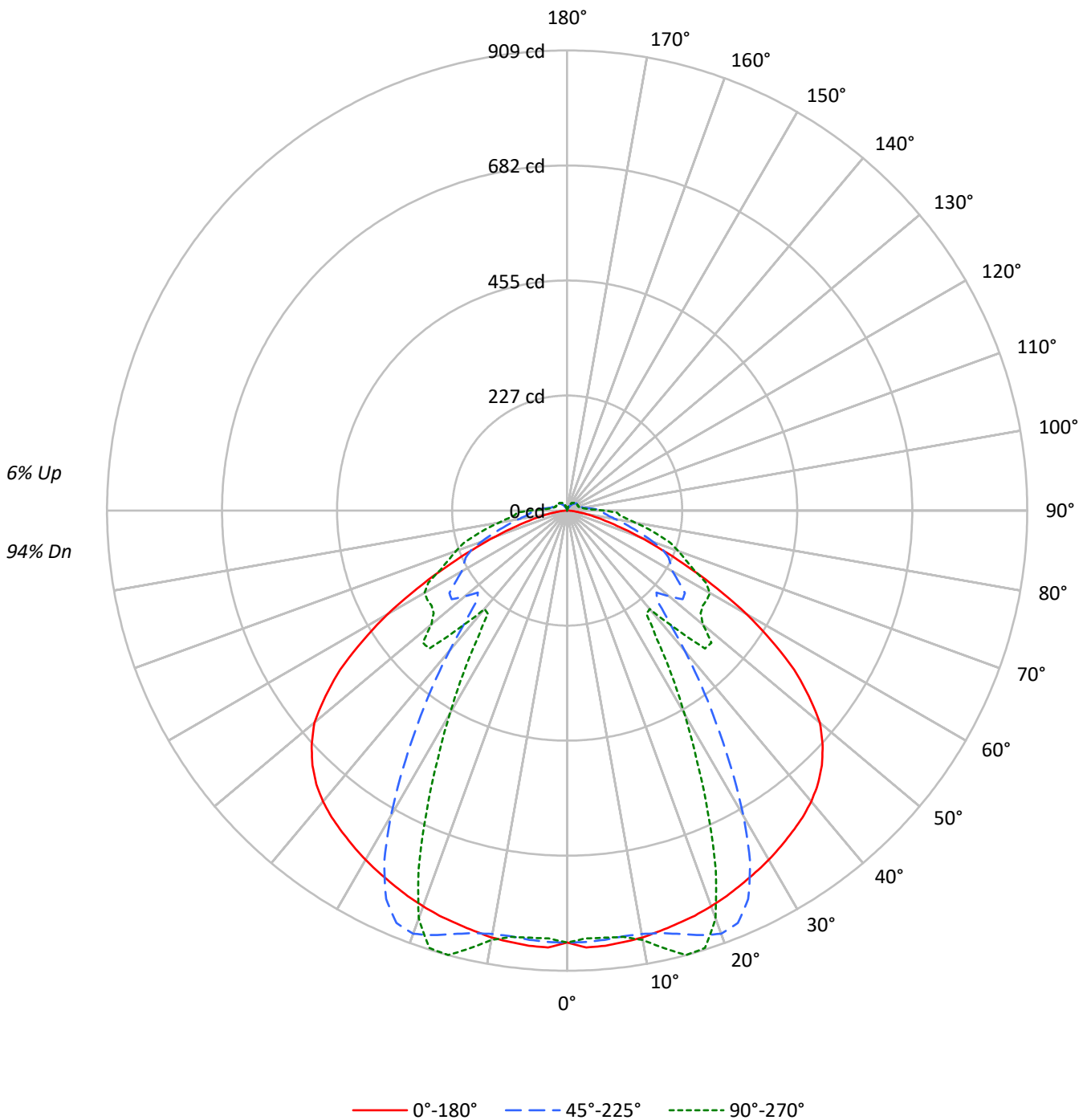
Lumens per Lamp: N/A
Luminaire Lumens: 2192.1 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	98	94	104	99	95	92	94	91	88	89	87	84	85	83	81	78
2	98	90	83	77	95	87	81	76	83	78	73	79	74	71	75	71	68	66
3	89	79	71	65	87	77	70	64	73	67	62	70	65	60	67	62	59	56
4	82	71	62	56	80	69	61	55	66	59	53	63	57	52	60	55	51	49
5	76	63	55	48	74	62	54	48	59	52	47	57	51	46	54	49	45	43
6	70	58	49	43	68	56	48	42	54	47	41	52	45	41	50	44	40	38
7	66	52	44	38	64	51	43	38	49	42	37	47	41	36	46	40	36	34
8	61	48	40	34	59	47	39	34	45	38	33	44	37	33	42	37	32	30
9	57	44	36	31	56	44	36	31	42	35	30	41	34	30	39	34	29	28
10	54	41	33	28	52	40	33	28	39	32	28	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13791	13791	13791
5°	13922	13444	13303
10°	13900	13215	13258
15°	13899	13377	13818
20°	13988	13751	12970
25°	14119	13191	9986
30°	14350	11029	7103
35°	14652	8336	4811
40°	15039	6047	4072
45°	15310	4377	6403
50°	15248	4836	6077
55°	14160	5551	6000
60°	11964	5062	6378
65°	8903	5088	5835
70°	6154	4611	5430
75°	3939	3841	4874
80°	2412	3266	4057
85°	1190	3072	3642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	3.7
10°-20°	245.2	11.2
20°-30°	356.1	16.2
30°-40°	340.3	15.5
40°-50°	311.3	14.2
50°-60°	287.4	13.1
60°-70°	228.3	10.4
70°-80°	140.9	6.4
80°-90°	76.7	3.5
90°-100°	38.8	1.8
100°-110°	24.4	1.1
110°-120°	20.7	0.9
120°-130°	16.9	0.8
130°-140°	12.1	0.6
140°-150°	7.5	0.3
150°-160°	3.5	0.2
160°-170°	0.9	0.0
170°-180°	0.0	0.0
0°-30°	682.5	31.1
0°-40°	1022.8	46.7
0°-60°	1621.4	74.0
0°-90°	2067.4	94.3
90°-120°	83.8	3.8
90°-150°	120.2	5.5
90°-180°	125.0	5.7
0°-180°	2192.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	853	853	853	853	853	
5°	863	850	851	846	847	82
15°	845	833	866	898	909	239
25°	815	831	846	717	658	377
35°	775	763	514	354	308	486
45°	712	496	251	320	385	547
55°	547	255	284	306	327	482
65°	264	165	221	269	275	267
75°	78	88	133	176	187	88
85°	11	37	75	102	104	14
90°	0	28	67	80	74	1
95°	0	26	46	41	39	0
105°	0	23	29	26	26	0
115°	0	19	28	25	23	0
125°	0	16	25	24	23	0
135°	0	11	20	22	21	0
145°	0	7	14	17	18	0
155°	1	4	8	11	13	0
165°	1	2	4	5	7	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°	853.3	853.3	853.3	853.3	853.3
2.5°	863.9	851.4	852.9	850.3	845.8
5°	862.8	849.5	851.1	846.5	846.9
7.5°	859.7	846.1	848.0	847.3	849.2
10°	856.3	842.0	849.2	855.6	861.3
12.5°	850.3	837.5	854.8	873.7	885.4
15°	844.6	833.3	865.8	897.9	908.9
17.5°	839.0	831.8	879.4	907.3	905.8
20°	831.8	831.0	889.6	880.1	857.1
22.5°	823.9	831.4	881.7	812.5	767.2
25°	814.8	830.7	846.5	716.6	658.0
27.5°	805.7	827.3	782.7	611.6	553.8
30°	796.7	818.2	696.6	515.6	463.1
32.5°	786.1	798.6	602.9	430.6	382.3
35°	775.1	762.7	514.1	353.9	307.9
37.5°	763.8	710.9	434.4	286.7	257.2
40°	750.2	645.9	361.1	245.9	253.8
42.5°	733.2	572.7	296.5	258.0	313.2
45°	711.7	496.4	250.8	319.9	385.3
47.5°	684.5	423.1	239.5	366.4	386.8
50°	651.6	355.8	263.3	351.3	349.8
52.5°	601.7	299.9	287.5	320.3	332.4
55°	547.4	254.6	284.1	305.6	327.1
57.5°	478.6	224.0	260.6	302.6	327.5
60°	410.2	203.6	240.6	302.2	325.6
62.5°	334.7	185.1	230.4	295.0	309.0
65°	264.0	165.1	221.4	269.0	275.4
67.5°	202.5	144.7	205.5	239.9	252.7
70°	152.6	124.7	180.6	217.6	233.4
72.5°	109.9	105.8	154.9	197.9	214.6
75°	77.8	88.0	132.6	175.7	187.4
77.5°	53.6	71.8	113.7	151.1	160.5
80°	35.1	57.4	96.7	129.9	136.4
82.5°	21.2	46.1	83.9	113.7	117.1
85°	11.0	37.4	75.2	102.4	103.9
87.5°	3.4	31.4	70.3	97.1	99.0
90°	0.4	28.0	67.2	79.7	73.7
92.5°	0.0	26.4	58.2	54.4	48.7
95°	0.0	26.1	46.5	41.2	38.9
97.5°	0.0	25.3	38.2	34.4	33.2
100°	0.0	24.6	32.9	30.2	29.8
102.5°	0.0	24.2	29.8	27.6	27.2
105°	0.0	23.4	28.7	26.1	25.7
107.5°	0.0	22.3	28.0	25.3	24.6
110°	0.0	21.2	28.0	24.9	23.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.0	28.0	24.6	23.4
115°	0.0	19.3	27.6	24.6	23.4
117.5°	0.4	18.5	27.2	24.6	23.4
120°	0.0	17.8	26.4	24.6	23.0
122.5°	0.4	16.6	25.7	24.2	23.0
125°	0.4	15.5	24.6	23.8	22.7
127.5°	0.4	14.4	23.4	23.0	21.9
130°	0.4	13.2	22.3	22.7	21.5
132.5°	0.4	12.1	20.8	21.9	21.2
135°	0.4	11.0	19.6	21.5	20.8
137.5°	0.4	9.8	18.1	20.4	20.4
140°	0.4	8.7	16.6	19.6	20.0
142.5°	0.4	7.9	15.1	18.9	19.3
145°	0.4	6.8	13.6	17.4	18.5
147.5°	0.4	6.0	12.1	15.9	17.4
150°	0.4	5.3	10.6	14.4	15.9
152.5°	0.4	4.5	9.4	12.5	14.7
155°	0.8	4.2	8.3	11.0	13.2
157.5°	0.8	3.4	6.8	9.4	11.3
160°	0.8	3.0	6.0	7.9	10.2
162.5°	0.8	2.6	4.9	6.8	8.7
165°	0.8	2.3	4.2	5.3	7.2
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)