

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-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 (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-L935-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

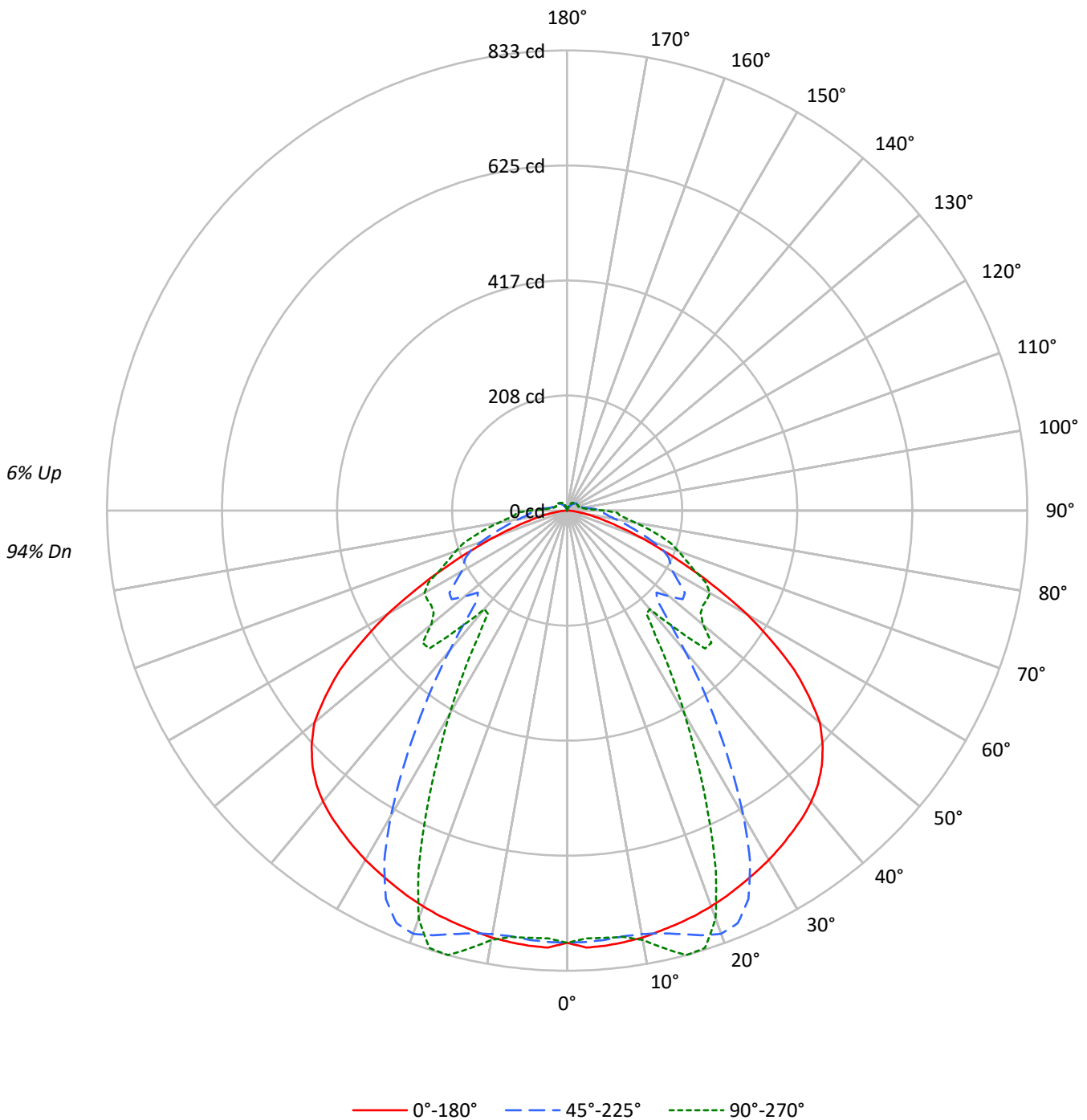
Lumens per Lamp: N/A
Luminaire Lumens: 2009.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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	64	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°	12640	12640	12640
5°	12758	12321	12192
10°	12741	12112	12151
15°	12739	12260	12664
20°	12821	12602	11886
25°	12940	12091	9153
30°	13153	10107	6511
35°	13429	7640	4409
40°	13784	5543	3734
45°	14032	4012	5868
50°	13975	4432	5570
55°	12978	5086	5499
60°	10967	4639	5845
65°	8161	4663	5348
70°	5642	4226	4978
75°	3610	3520	4466
80°	2213	2992	3718
85°	1082	2815	3337



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	3.7
10°-20°	224.7	11.2
20°-30°	326.4	16.2
30°-40°	311.9	15.5
40°-50°	285.3	14.2
50°-60°	263.4	13.1
60°-70°	209.2	10.4
70°-80°	129.1	6.4
80°-90°	70.3	3.5
90°-100°	35.5	1.8
100°-110°	22.3	1.1
110°-120°	18.9	0.9
120°-130°	15.4	0.8
130°-140°	11.1	0.6
140°-150°	6.8	0.3
150°-160°	3.2	0.2
160°-170°	0.8	0.0
170°-180°	0.0	0.0
0°-30°	625.5	31.1
0°-40°	937.4	46.7
0°-60°	1486.1	74.0
0°-90°	1894.7	94.3
90°-120°	76.8	3.8
90°-150°	110.1	5.5
90°-180°	114.0	5.7
0°-180°	2009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	782	782	782	782	782	
5°	791	779	780	776	776	75
15°	774	764	794	823	833	219
25°	747	761	776	657	603	345
35°	710	699	471	324	282	445
45°	652	455	230	293	353	501
55°	502	233	260	280	300	442
65°	242	151	203	246	252	245
75°	71	81	122	161	172	81
85°	10	34	69	94	95	13
90°	0	26	62	73	68	1
95°	0	24	43	38	36	0
105°	0	22	26	24	24	0
115°	0	18	25	22	22	0
125°	0	14	22	22	21	0
135°	0	10	18	20	19	0
145°	0	6	12	16	17	0
155°	1	4	8	10	12	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°	782.1	782.1	782.1	782.1	782.1
2.5°	791.8	780.4	781.7	779.3	775.2
5°	790.7	778.6	780.0	775.9	776.2
7.5°	788.0	775.5	777.2	776.5	778.3
10°	784.9	771.7	778.3	784.2	789.4
12.5°	779.3	767.5	783.5	800.8	811.5
15°	774.1	763.7	793.5	822.9	833.0
17.5°	768.9	762.4	806.0	831.6	830.2
20°	762.4	761.7	815.3	806.7	785.5
22.5°	755.1	762.0	808.1	744.7	703.1
25°	746.8	761.3	775.9	656.8	603.1
27.5°	738.5	758.2	717.3	560.5	507.5
30°	730.2	749.9	638.4	472.6	424.5
32.5°	720.5	731.9	552.5	394.7	350.4
35°	710.4	699.0	471.2	324.4	282.2
37.5°	700.0	651.6	398.1	262.8	235.8
40°	687.6	592.0	331.0	225.4	232.7
42.5°	672.0	524.9	271.8	236.5	287.0
45°	652.3	454.9	229.9	293.2	353.1
47.5°	627.3	387.8	219.5	335.8	354.5
50°	597.2	326.1	241.3	322.0	320.6
52.5°	551.5	274.9	263.5	293.6	304.7
55°	501.7	233.3	260.3	280.1	299.8
57.5°	438.6	205.3	238.9	277.3	300.2
60°	376.0	186.6	220.5	277.0	298.4
62.5°	306.7	169.6	211.2	270.4	283.2
65°	242.0	151.3	202.9	246.5	252.4
67.5°	185.6	132.6	188.3	219.8	231.6
70°	139.9	114.2	165.5	199.4	214.0
72.5°	100.7	96.9	141.9	181.4	196.6
75°	71.3	80.7	121.5	161.0	171.7
77.5°	49.2	65.8	104.2	138.5	147.1
80°	32.2	52.6	88.6	119.1	125.0
82.5°	19.4	42.2	76.9	104.2	107.3
85°	10.0	34.3	68.9	93.8	95.2
87.5°	3.1	28.7	64.4	89.0	90.7
90°	0.3	25.6	61.6	73.0	67.5
92.5°	0.0	24.2	53.3	49.9	44.7
95°	0.0	23.9	42.6	37.7	35.7
97.5°	0.0	23.2	35.0	31.5	30.5
100°	0.0	22.5	30.1	27.7	27.4
102.5°	0.0	22.2	27.4	25.3	24.9
105°	0.0	21.5	26.3	23.9	23.5
107.5°	0.0	20.4	25.6	23.2	22.5
110°	0.0	19.4	25.6	22.8	21.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.3	25.6	22.5	21.5
115°	0.0	17.7	25.3	22.5	21.5
117.5°	0.3	17.0	24.9	22.5	21.5
120°	0.0	16.3	24.2	22.5	21.1
122.5°	0.3	15.2	23.5	22.2	21.1
125°	0.3	14.2	22.5	21.8	20.8
127.5°	0.3	13.2	21.5	21.1	20.1
130°	0.3	12.1	20.4	20.8	19.7
132.5°	0.3	11.1	19.0	20.1	19.4
135°	0.3	10.0	18.0	19.7	19.0
137.5°	0.3	9.0	16.6	18.7	18.7
140°	0.3	8.0	15.2	18.0	18.3
142.5°	0.3	7.3	13.8	17.3	17.7
145°	0.3	6.2	12.5	15.9	17.0
147.5°	0.3	5.5	11.1	14.5	15.9
150°	0.3	4.8	9.7	13.2	14.5
152.5°	0.3	4.2	8.7	11.4	13.5
155°	0.7	3.8	7.6	10.0	12.1
157.5°	0.7	3.1	6.2	8.7	10.4
160°	0.7	2.8	5.5	7.3	9.3
162.5°	0.7	2.4	4.5	6.2	8.0
165°	0.7	2.1	3.8	4.8	6.6
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)