

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-L835-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-L835-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

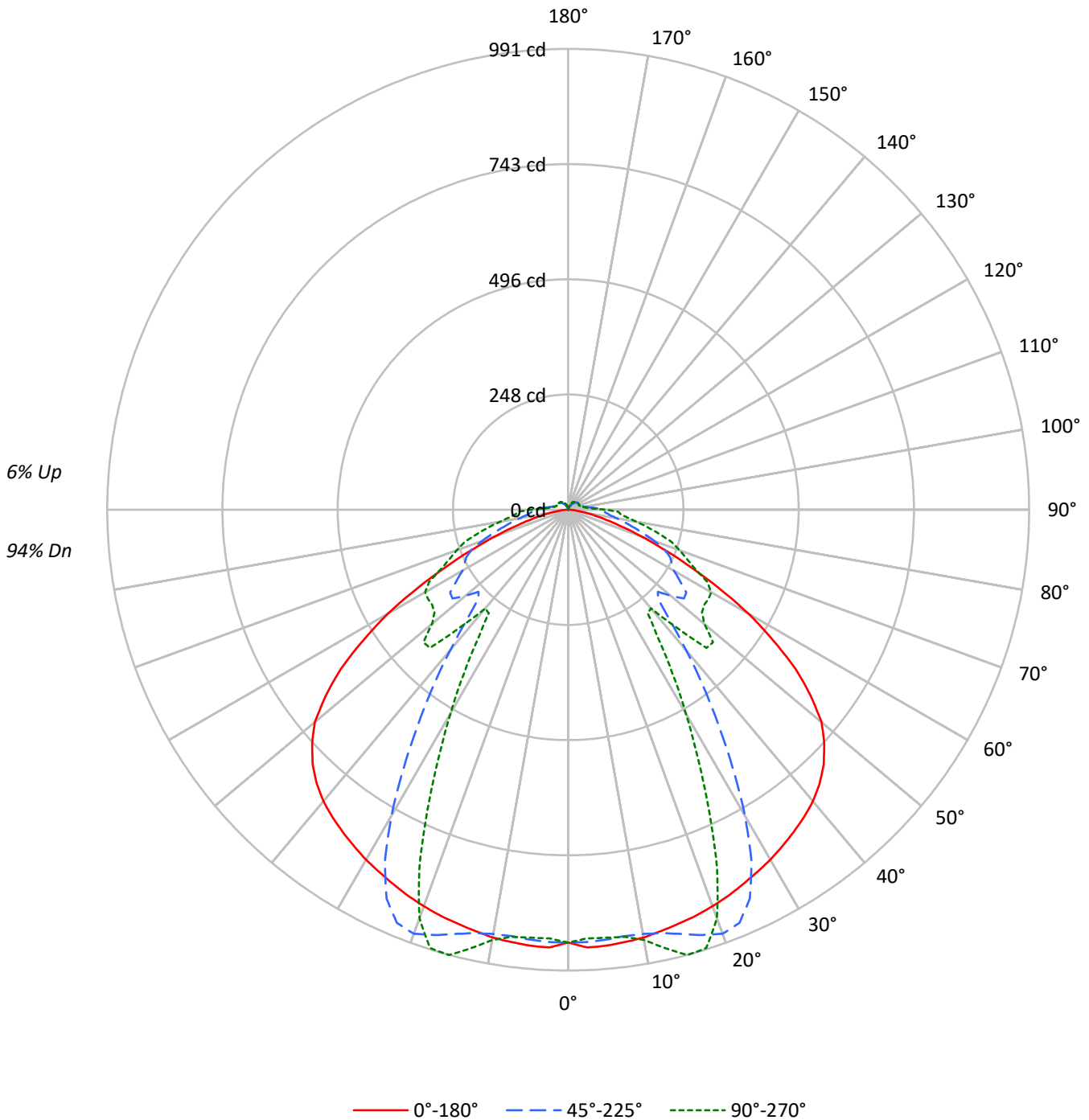
Lumens per Lamp: N/A
Luminaire Lumens: 2391.0 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15044	15044	15044
5°	15185	14663	14511
10°	15163	14415	14460
15°	15161	14591	15072
20°	15258	14998	14147
25°	15401	14389	10894
30°	15653	12029	7749
35°	15982	9093	5246
40°	16404	6597	4443
45°	16700	4775	6985
50°	16633	5275	6627
55°	15444	6055	6545
60°	13052	5523	6958
65°	9712	5550	6365
70°	6715	5030	5923
75°	4299	4189	5316
80°	2632	3563	4423
85°	1287	3350	3971



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	3.7
10°-20°	267.4	11.2
20°-30°	388.5	16.2
30°-40°	371.2	15.5
40°-50°	339.5	14.2
50°-60°	313.5	13.1
60°-70°	249.0	10.4
70°-80°	153.7	6.4
80°-90°	83.7	3.5
90°-100°	42.3	1.8
100°-110°	26.6	1.1
110°-120°	22.5	0.9
120°-130°	18.4	0.8
130°-140°	13.2	0.6
140°-150°	8.1	0.3
150°-160°	3.9	0.2
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	744.4	31.1
0°-40°	1115.6	46.7
0°-60°	1768.6	74.0
0°-90°	2255.0	94.3
90°-120°	91.4	3.8
90°-150°	131.1	5.5
90°-180°	136.0	5.7
0°-180°	2391.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	931	931	931	931	931	
5°	941	927	928	923	924	90
15°	921	909	944	979	991	261
25°	889	906	923	782	718	411
35°	846	832	561	386	336	530
45°	776	541	274	349	420	597
55°	597	278	310	333	357	526
65°	288	180	242	293	300	291
75°	85	96	145	192	204	96
85°	12	41	82	112	113	15
90°	0	30	73	87	80	1
95°	0	28	51	45	42	0
105°	0	26	31	28	28	0
115°	0	21	30	27	26	0
125°	0	17	27	26	25	0
135°	0	12	21	24	23	0
145°	0	7	15	19	20	0
155°	1	4	9	12	14	0
165°	1	2	4	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°	930.8	930.8	930.8	930.8	930.8
2.5°	942.3	928.7	930.4	927.5	922.6
5°	941.1	926.7	928.3	923.4	923.8
7.5°	937.8	923.0	925.0	924.2	926.3
10°	934.1	918.4	926.3	933.3	939.4
12.5°	927.5	913.5	932.4	953.0	965.8
15°	921.3	909.0	944.4	979.4	991.4
17.5°	915.1	907.3	959.2	989.7	988.1
20°	907.3	906.5	970.3	960.0	934.9
22.5°	898.7	906.9	961.7	886.3	836.8
25°	888.8	906.1	923.4	781.6	717.8
27.5°	878.9	902.4	853.7	667.1	604.0
30°	869.0	892.5	759.8	562.4	505.2
32.5°	857.5	871.0	657.6	469.7	417.0
35°	845.5	831.9	560.8	386.1	335.8
37.5°	833.1	775.5	473.8	312.7	280.6
40°	818.3	704.6	393.9	268.2	276.9
42.5°	799.8	624.6	323.4	281.4	341.6
45°	776.3	541.4	273.6	349.0	420.3
47.5°	746.6	461.5	261.2	399.7	421.9
50°	710.8	388.1	287.2	383.2	381.5
52.5°	656.4	327.2	313.6	349.4	362.6
55°	597.0	277.7	309.9	333.3	356.8
57.5°	522.1	244.3	284.3	330.0	357.2
60°	447.5	222.1	262.5	329.6	355.2
62.5°	365.1	201.9	251.3	321.8	337.0
65°	288.0	180.1	241.5	293.4	300.4
67.5°	220.9	157.8	224.1	261.6	275.7
70°	166.5	136.0	197.0	237.3	254.6
72.5°	119.9	115.4	168.9	215.9	234.0
75°	84.9	96.0	144.6	191.6	204.4
77.5°	58.5	78.3	124.0	164.8	175.1
80°	38.3	62.6	105.5	141.7	148.7
82.5°	23.1	50.3	91.5	124.0	127.7
85°	11.9	40.8	82.0	111.7	113.3
87.5°	3.7	34.2	76.6	105.9	108.0
90°	0.4	30.5	73.3	86.9	80.3
92.5°	0.0	28.8	63.5	59.3	53.2
95°	0.0	28.4	50.7	44.9	42.4
97.5°	0.0	27.6	41.6	37.5	36.3
100°	0.0	26.8	35.8	33.0	32.6
102.5°	0.0	26.4	32.6	30.1	29.7
105°	0.0	25.5	31.3	28.4	28.0
107.5°	0.0	24.3	30.5	27.6	26.8
110°	0.0	23.1	30.5	27.2	26.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.8	30.5	26.8	25.5
115°	0.0	21.0	30.1	26.8	25.5
117.5°	0.4	20.2	29.7	26.8	25.5
120°	0.0	19.4	28.8	26.8	25.1
122.5°	0.4	18.1	28.0	26.4	25.1
125°	0.4	16.9	26.8	26.0	24.7
127.5°	0.4	15.7	25.5	25.1	23.9
130°	0.4	14.4	24.3	24.7	23.5
132.5°	0.4	13.2	22.7	23.9	23.1
135°	0.4	11.9	21.4	23.5	22.7
137.5°	0.4	10.7	19.8	22.3	22.3
140°	0.4	9.5	18.1	21.4	21.8
142.5°	0.4	8.7	16.5	20.6	21.0
145°	0.4	7.4	14.8	19.0	20.2
147.5°	0.4	6.6	13.2	17.3	19.0
150°	0.4	5.8	11.5	15.7	17.3
152.5°	0.4	4.9	10.3	13.6	16.1
155°	0.8	4.5	9.1	11.9	14.4
157.5°	0.8	3.7	7.4	10.3	12.4
160°	0.8	3.3	6.6	8.7	11.1
162.5°	0.8	2.9	5.4	7.4	9.5
165°	0.8	2.5	4.5	5.8	7.8
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)