

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: **4SNLED-LD5-22SL-SLC-UNV-L830-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: 4SNLED-LD5-22SL-SLC-UNV-L830-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

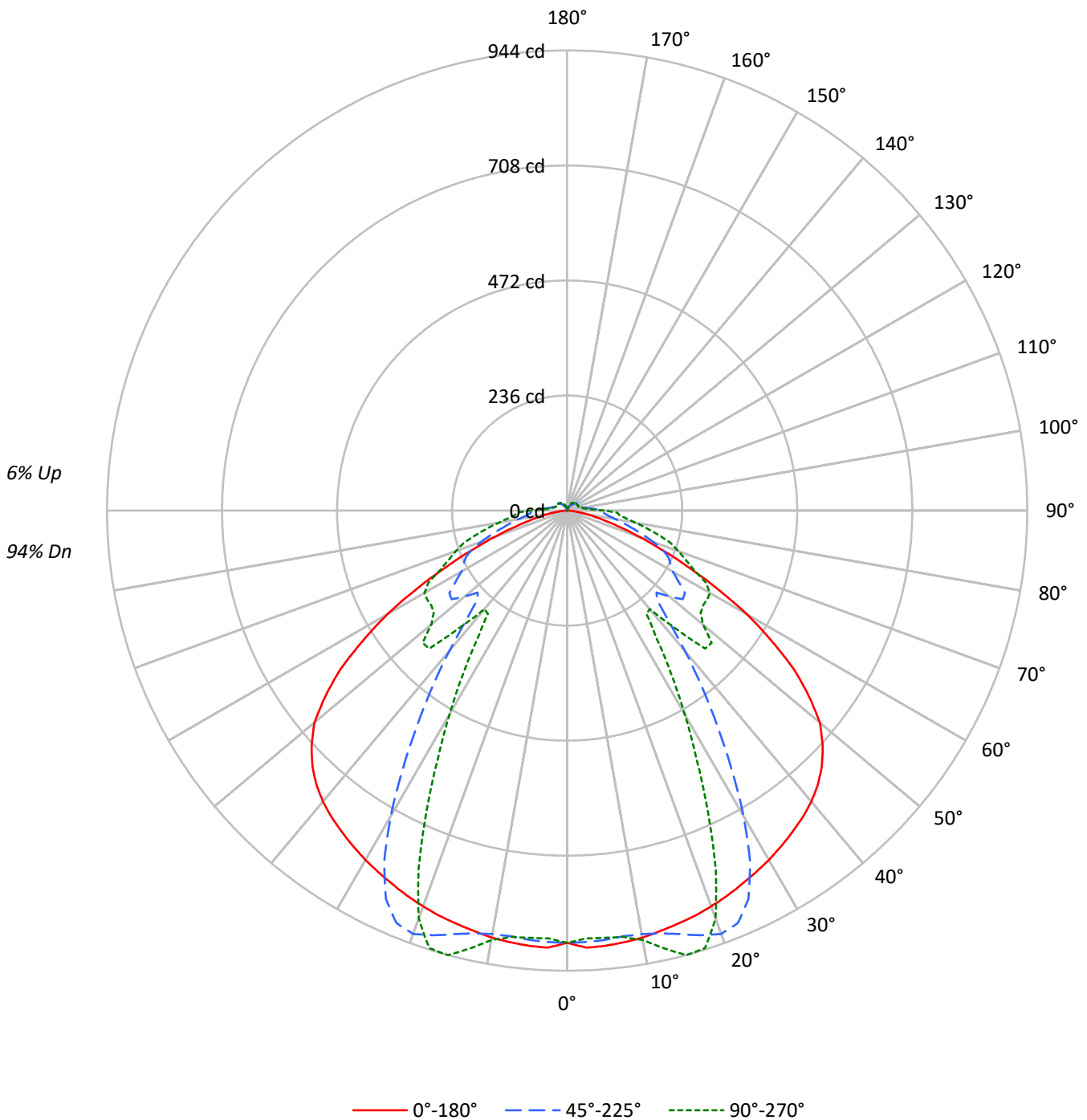
Lumens per Lamp: N/A
Luminaire Lumens: 2277.0 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 16
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°	7163	7163	7163
5°	7250	6996	6909
10°	7260	6889	6886
15°	7279	6986	7177
20°	7347	7194	6736
25°	7438	6914	5187
30°	7586	5791	3690
35°	7773	4385	2498
40°	8011	3188	2115
45°	8193	2312	3325
50°	8204	2561	3157
55°	7669	2947	3117
60°	6533	2697	3312
65°	4916	2719	3031
70°	3449	2476	2821
75°	2259	2074	2531
80°	1443	1778	2108
85°	779	1689	1891



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	3.7
10°-20°	254.7	11.2
20°-30°	370.0	16.2
30°-40°	353.5	15.5
40°-50°	323.3	14.2
50°-60°	298.5	13.1
60°-70°	237.2	10.4
70°-80°	146.4	6.4
80°-90°	79.7	3.5
90°-100°	40.3	1.8
100°-110°	25.3	1.1
110°-120°	21.4	0.9
120°-130°	17.5	0.8
130°-140°	12.6	0.6
140°-150°	7.8	0.3
150°-160°	3.7	0.2
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	709.0	31.1
0°-40°	1062.4	46.7
0°-60°	1684.3	74.0
0°-90°	2147.5	94.3
90°-120°	87.0	3.8
90°-150°	124.9	5.5
90°-180°	129.0	5.7
0°-180°	2277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	886	886	886	886	886	
5°	896	882	884	879	880	85
15°	877	866	899	933	944	248
25°	846	863	879	744	684	391
35°	805	792	534	368	320	505
45°	739	516	260	332	400	568
55°	569	264	295	317	340	501
65°	274	172	230	279	286	277
75°	81	91	138	182	195	92
85°	11	39	78	106	108	15
90°	0	29	70	83	76	1
95°	0	27	48	43	40	0
105°	0	24	30	27	27	0
115°	0	20	29	26	24	0
125°	0	16	26	25	24	0
135°	0	11	20	22	22	0
145°	0	7	14	18	19	0
155°	1	4	9	11	14	0
165°	1	2	4	6	8	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	886.4	886.4	886.4	886.4	886.4
2.5°	897.4	884.5	886.0	883.3	878.6
5°	896.2	882.5	884.1	879.4	879.7
7.5°	893.1	879.0	880.9	880.1	882.1
10°	889.6	874.6	882.1	888.8	894.7
12.5°	883.3	869.9	888.0	907.6	919.8
15°	877.4	865.6	899.4	932.7	944.1
17.5°	871.5	864.0	913.5	942.5	941.0
20°	864.0	863.3	924.1	914.3	890.3
22.5°	855.8	863.7	915.8	844.0	796.9
25°	846.4	862.9	879.4	744.4	683.5
27.5°	837.0	859.3	813.0	635.3	575.2
30°	827.6	849.9	723.6	535.6	481.1
32.5°	816.6	829.5	626.3	447.3	397.1
35°	805.2	792.2	534.0	367.7	319.8
37.5°	793.4	738.5	451.3	297.8	267.2
40°	779.3	671.0	375.1	255.4	263.7
42.5°	761.6	594.9	308.0	268.0	325.3
45°	739.3	515.6	260.5	332.4	400.2
47.5°	711.0	439.5	248.8	380.6	401.8
50°	676.9	369.6	273.5	364.9	363.4
52.5°	625.1	311.6	298.6	332.7	345.3
55°	568.6	264.5	295.1	317.4	339.8
57.5°	497.2	232.7	270.8	314.3	340.2
60°	426.1	211.5	250.0	313.9	338.2
62.5°	347.7	192.3	239.4	306.5	321.0
65°	274.3	171.5	229.9	279.4	286.1
67.5°	210.3	150.3	213.5	249.2	262.5
70°	158.5	129.5	187.6	226.0	242.5
72.5°	114.2	109.9	160.9	205.6	222.9
75°	80.8	91.4	137.7	182.5	194.6
77.5°	55.7	74.6	118.1	157.0	166.8
80°	36.5	59.6	100.5	135.0	141.7
82.5°	22.0	47.9	87.1	118.1	121.6
85°	11.4	38.8	78.1	106.3	107.9
87.5°	3.5	32.6	73.0	100.8	102.8
90°	0.4	29.0	69.8	82.8	76.5
92.5°	0.0	27.5	60.4	56.5	50.6
95°	0.0	27.1	48.3	42.8	40.4
97.5°	0.0	26.3	39.6	35.7	34.5
100°	0.0	25.5	34.1	31.4	31.0
102.5°	0.0	25.1	31.0	28.6	28.3
105°	0.0	24.3	29.8	27.1	26.7
107.5°	0.0	23.2	29.0	26.3	25.5
110°	0.0	22.0	29.0	25.9	24.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	20.8	29.0	25.5	24.3
115°	0.0	20.0	28.6	25.5	24.3
117.5°	0.4	19.2	28.3	25.5	24.3
120°	0.0	18.4	27.5	25.5	23.9
122.5°	0.4	17.3	26.7	25.1	23.9
125°	0.4	16.1	25.5	24.7	23.5
127.5°	0.4	14.9	24.3	23.9	22.8
130°	0.4	13.7	23.2	23.5	22.4
132.5°	0.4	12.6	21.6	22.8	22.0
135°	0.4	11.4	20.4	22.4	21.6
137.5°	0.4	10.2	18.8	21.2	21.2
140°	0.4	9.0	17.3	20.4	20.8
142.5°	0.4	8.2	15.7	19.6	20.0
145°	0.4	7.1	14.1	18.1	19.2
147.5°	0.4	6.3	12.6	16.5	18.1
150°	0.4	5.5	11.0	14.9	16.5
152.5°	0.4	4.7	9.8	12.9	15.3
155°	0.8	4.3	8.6	11.4	13.7
157.5°	0.8	3.5	7.1	9.8	11.8
160°	0.8	3.1	6.3	8.2	10.6
162.5°	0.8	2.7	5.1	7.1	9.0
165°	0.8	2.4	4.3	5.5	7.5
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)