

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-L930-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-L930-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

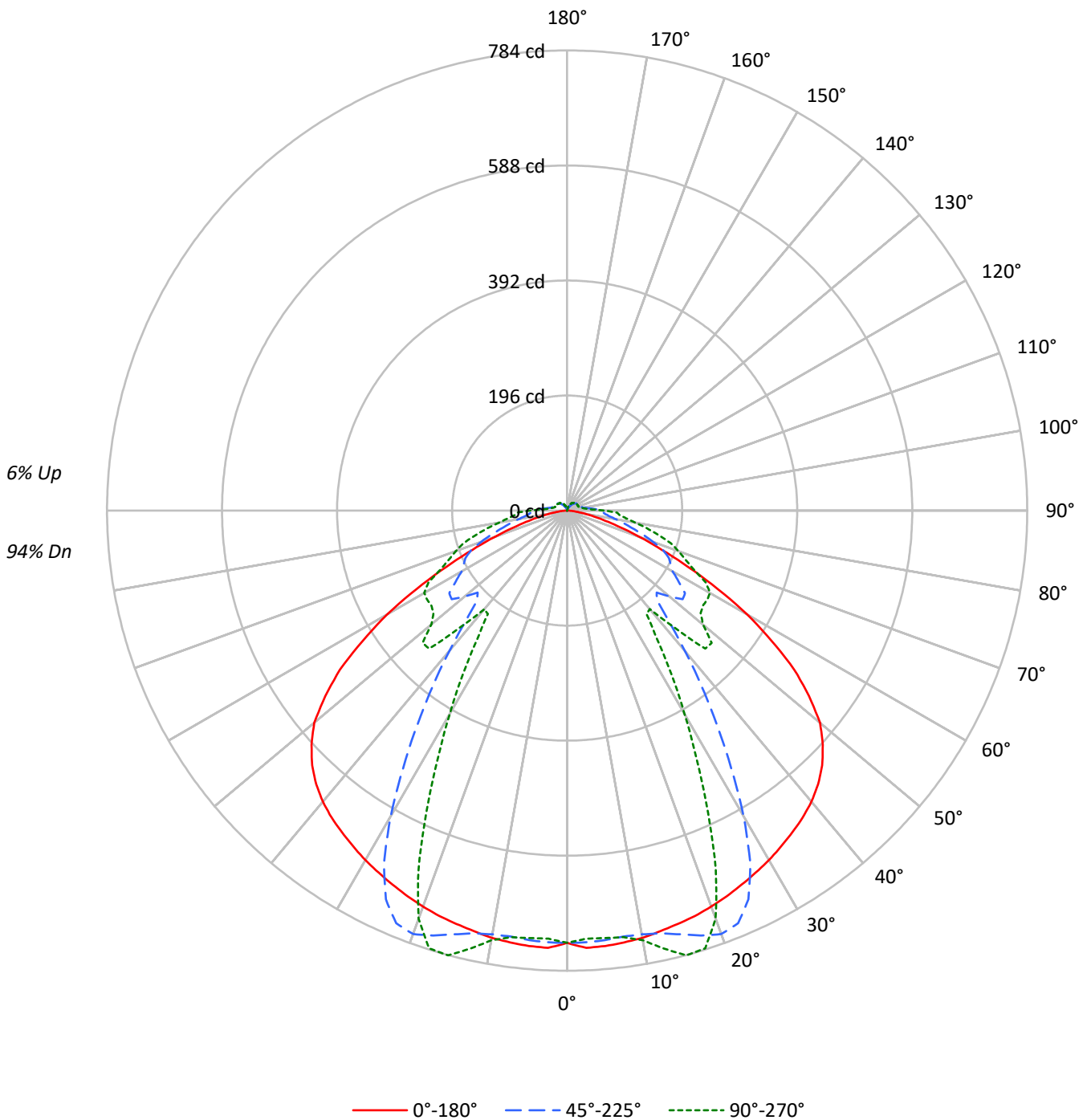
Lumens per Lamp: N/A
Luminaire Lumens: 1892.0 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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				
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°	11903	11903	11903
5°	12016	11604	11482
10°	11997	11407	11443
15°	11997	11546	11927
20°	12074	11868	11195
25°	12187	11386	8620
30°	12385	9518	6131
35°	12646	7195	4151
40°	12980	5220	3515
45°	13215	3779	5527
50°	13161	4175	5245
55°	12220	4791	5180
60°	10328	4370	5506
65°	7685	4392	5036
70°	5311	3978	4687
75°	3403	3314	4206
80°	2082	2820	3501
85°	1028	2651	3144



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	3.7
10°-20°	211.6	11.2
20°-30°	307.4	16.2
30°-40°	293.7	15.5
40°-50°	268.7	14.2
50°-60°	248.1	13.1
60°-70°	197.0	10.4
70°-80°	121.6	6.4
80°-90°	66.2	3.5
90°-100°	33.5	1.8
100°-110°	21.0	1.1
110°-120°	17.8	0.9
120°-130°	14.6	0.8
130°-140°	10.4	0.6
140°-150°	6.4	0.3
150°-160°	3.1	0.2
160°-170°	0.8	0.0
170°-180°	0.0	0.0
0°-30°	589.1	31.1
0°-40°	882.8	46.7
0°-60°	1399.5	74.0
0°-90°	1784.4	94.3
90°-120°	72.3	3.8
90°-150°	103.7	5.5
90°-180°	108.0	5.7
0°-180°	1892.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	745	733	735	731	731	71
15°	729	719	747	775	784	206
25°	703	717	731	618	568	325
35°	669	658	444	306	266	420
45°	614	428	216	276	333	472
55°	472	220	245	264	282	416
65°	228	142	191	232	238	230
75°	67	76	114	152	162	76
85°	10	32	65	88	90	12
90°	0	24	58	69	64	0
95°	0	22	40	36	34	0
105°	0	20	25	22	22	0
115°	0	17	24	21	20	0
125°	0	13	21	20	20	0
135°	0	10	17	19	18	0
145°	0	6	12	15	16	0
155°	1	4	7	10	11	0
165°	1	2	4	5	6	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°	736.5	736.5	736.5	736.5	736.5
2.5°	745.7	734.9	736.2	733.9	730.0
5°	744.7	733.3	734.6	730.7	731.0
7.5°	742.1	730.3	732.0	731.3	733.0
10°	739.1	726.8	733.0	738.5	743.4
12.5°	733.9	722.8	737.8	754.1	764.3
15°	729.0	719.3	747.3	775.0	784.5
17.5°	724.1	718.0	759.0	783.2	781.9
20°	718.0	717.3	767.8	759.7	739.8
22.5°	711.1	717.6	761.0	701.3	662.2
25°	703.3	717.0	730.7	618.5	568.0
27.5°	695.5	714.0	675.6	527.9	478.0
30°	687.6	706.2	601.2	445.1	399.7
32.5°	678.5	689.3	520.4	371.7	330.0
35°	669.0	658.3	443.7	305.5	265.7
37.5°	659.3	613.6	375.0	247.5	222.0
40°	647.5	557.5	311.7	212.3	219.1
42.5°	632.9	494.3	255.9	222.7	270.3
45°	614.3	428.4	216.5	276.2	332.6
47.5°	590.8	365.2	206.7	316.3	333.9
50°	562.4	307.1	227.3	303.2	301.9
52.5°	519.4	258.9	248.1	276.5	286.9
55°	472.4	219.8	245.2	263.8	282.4
57.5°	413.1	193.3	225.0	261.2	282.7
60°	354.1	175.7	207.7	260.8	281.1
62.5°	288.9	159.8	198.9	254.6	266.7
65°	227.9	142.5	191.1	232.1	237.7
67.5°	174.8	124.9	177.4	207.0	218.1
70°	131.7	107.6	155.8	187.8	201.5
72.5°	94.9	91.3	133.7	170.8	185.2
75°	67.2	76.0	114.4	151.6	161.7
77.5°	46.3	61.9	98.1	130.4	138.6
80°	30.3	49.6	83.5	112.2	117.7
82.5°	18.3	39.8	72.4	98.1	101.1
85°	9.5	32.3	64.9	88.4	89.7
87.5°	2.9	27.1	60.6	83.8	85.4
90°	0.3	24.1	58.0	68.8	63.6
92.5°	0.0	22.8	50.2	47.0	42.1
95°	0.0	22.5	40.1	35.5	33.6
97.5°	0.0	21.8	32.9	29.7	28.7
100°	0.0	21.2	28.4	26.1	25.8
102.5°	0.0	20.9	25.8	23.8	23.5
105°	0.0	20.2	24.8	22.5	22.2
107.5°	0.0	19.2	24.1	21.8	21.2
110°	0.0	18.3	24.1	21.5	20.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	17.3	24.1	21.2	20.2
115°	0.0	16.6	23.8	21.2	20.2
117.5°	0.3	16.0	23.5	21.2	20.2
120°	0.0	15.3	22.8	21.2	19.9
122.5°	0.3	14.3	22.2	20.9	19.9
125°	0.3	13.4	21.2	20.5	19.6
127.5°	0.3	12.4	20.2	19.9	18.9
130°	0.3	11.4	19.2	19.6	18.6
132.5°	0.3	10.4	17.9	18.9	18.3
135°	0.3	9.5	17.0	18.6	17.9
137.5°	0.3	8.5	15.7	17.6	17.6
140°	0.3	7.5	14.3	17.0	17.3
142.5°	0.3	6.8	13.0	16.3	16.6
145°	0.3	5.9	11.7	15.0	16.0
147.5°	0.3	5.2	10.4	13.7	15.0
150°	0.3	4.6	9.1	12.4	13.7
152.5°	0.3	3.9	8.2	10.8	12.7
155°	0.7	3.6	7.2	9.5	11.4
157.5°	0.7	2.9	5.9	8.2	9.8
160°	0.7	2.6	5.2	6.8	8.8
162.5°	0.7	2.3	4.2	5.9	7.5
165°	0.7	2.0	3.6	4.6	6.2
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)