

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-L850-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-L850-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2432.0 lumens
Efficiency: N/A
Efficacy: 135.1 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

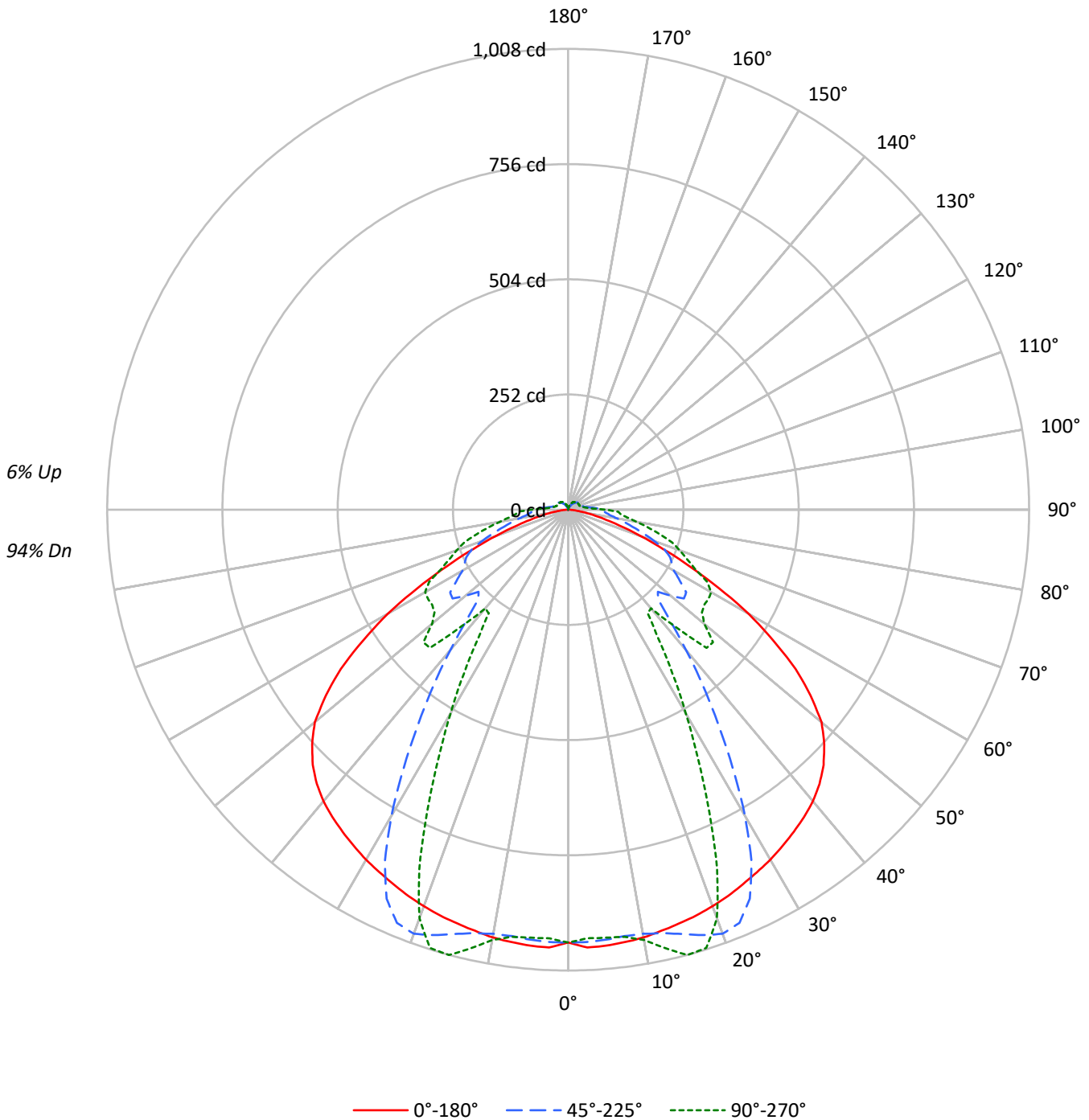
Input Watts (W): 18
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	15302	15302	15302
5°	15445	14914	14759
10°	15422	14661	14709
15°	15421	14842	15331
20°	15520	15256	14389
25°	15664	14636	11080
30°	15921	12235	7881
35°	16257	9249	5337
40°	16685	6711	4518
45°	16986	4857	7104
50°	16919	5365	6742
55°	15710	6158	6657
60°	13274	5618	7077
65°	9881	5644	6473
70°	6828	5114	6025
75°	4370	4261	5407
80°	2680	3624	4501
85°	1320	3407	4041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	3.7
10°-20°	272.0	11.2
20°-30°	395.1	16.2
30°-40°	377.5	15.5
40°-50°	345.3	14.2
50°-60°	318.9	13.1
60°-70°	253.3	10.4
70°-80°	156.3	6.4
80°-90°	85.1	3.5
90°-100°	43.0	1.8
100°-110°	27.0	1.1
110°-120°	22.9	0.9
120°-130°	18.7	0.8
130°-140°	13.4	0.6
140°-150°	8.3	0.3
150°-160°	3.9	0.2
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	757.2	31.1
0°-40°	1134.8	46.7
0°-60°	1799.0	74.0
0°-90°	2293.7	94.3
90°-120°	92.9	3.8
90°-150°	133.3	5.5
90°-180°	138.0	5.7
0°-180°	2432.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	947	947	947	947	947	
5°	957	943	944	939	940	91
15°	937	924	961	996	1008	265
25°	904	922	939	795	730	418
35°	860	846	570	393	342	539
45°	790	551	278	355	428	607
55°	607	282	315	339	363	535
65°	293	183	246	298	306	296
75°	86	98	147	195	208	98
85°	12	42	83	114	115	16
90°	0	31	75	88	82	1
95°	0	29	52	46	43	0
105°	0	26	32	29	28	0
115°	0	21	31	27	26	0
125°	0	17	27	26	25	0
135°	0	12	22	24	23	0
145°	0	8	15	19	20	0
155°	1	5	9	12	15	0
165°	1	2	5	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°	946.8	946.8	946.8	946.8	946.8
2.5°	958.5	944.7	946.3	943.4	938.4
5°	957.2	942.6	944.2	939.2	939.6
7.5°	953.9	938.8	940.9	940.0	942.1
10°	950.1	934.2	942.1	949.3	955.6
12.5°	943.4	929.2	948.4	969.4	982.4
15°	937.1	924.5	960.6	996.2	1008.4
17.5°	930.8	922.9	975.7	1006.7	1005.0
20°	922.9	922.0	987.0	976.5	950.9
22.5°	914.1	922.4	978.2	901.5	851.2
25°	904.0	921.6	939.2	795.0	730.1
27.5°	893.9	917.8	868.4	678.5	614.4
30°	883.9	907.8	772.8	572.1	513.8
32.5°	872.2	886.0	668.9	477.8	424.1
35°	860.0	846.2	570.4	392.7	341.6
37.5°	847.4	788.8	482.0	318.1	285.4
40°	832.3	716.7	400.7	272.8	281.6
42.5°	813.5	635.4	329.0	286.2	347.4
45°	789.6	550.7	278.3	355.0	427.5
47.5°	759.4	469.4	265.7	406.5	429.2
50°	723.0	394.8	292.1	389.8	388.1
52.5°	667.6	332.8	318.9	355.4	368.8
55°	607.3	282.5	315.2	339.1	362.9
57.5°	531.0	248.5	289.2	335.7	363.4
60°	455.1	225.9	267.0	335.3	361.3
62.5°	371.3	205.4	255.7	327.3	342.8
65°	293.0	183.1	245.6	298.4	305.5
67.5°	224.6	160.5	228.0	266.1	280.4
70°	169.3	138.3	200.3	241.4	259.0
72.5°	122.0	117.3	171.8	219.6	238.1
75°	86.3	97.7	147.1	194.9	207.9
77.5°	59.5	79.6	126.2	167.6	178.1
80°	39.0	63.7	107.3	144.2	151.3
82.5°	23.5	51.1	93.0	126.2	129.9
85°	12.2	41.5	83.4	113.6	115.3
87.5°	3.8	34.8	78.0	107.7	109.8
90°	0.4	31.0	74.6	88.4	81.7
92.5°	0.0	29.3	64.5	60.4	54.1
95°	0.0	28.9	51.5	45.7	43.2
97.5°	0.0	28.1	42.3	38.1	36.9
100°	0.0	27.2	36.5	33.5	33.1
102.5°	0.0	26.8	33.1	30.6	30.2
105°	0.0	26.0	31.9	28.9	28.5
107.5°	0.0	24.7	31.0	28.1	27.2
110°	0.0	23.5	31.0	27.7	26.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	22.2	31.0	27.2	26.0
115°	0.0	21.4	30.6	27.2	26.0
117.5°	0.4	20.5	30.2	27.2	26.0
120°	0.0	19.7	29.3	27.2	25.6
122.5°	0.4	18.4	28.5	26.8	25.6
125°	0.4	17.2	27.2	26.4	25.1
127.5°	0.4	15.9	26.0	25.6	24.3
130°	0.4	14.7	24.7	25.1	23.9
132.5°	0.4	13.4	23.1	24.3	23.5
135°	0.4	12.2	21.8	23.9	23.1
137.5°	0.4	10.9	20.1	22.6	22.6
140°	0.4	9.6	18.4	21.8	22.2
142.5°	0.4	8.8	16.8	21.0	21.4
145°	0.4	7.5	15.1	19.3	20.5
147.5°	0.4	6.7	13.4	17.6	19.3
150°	0.4	5.9	11.7	15.9	17.6
152.5°	0.4	5.0	10.5	13.8	16.3
155°	0.8	4.6	9.2	12.2	14.7
157.5°	0.8	3.8	7.5	10.5	12.6
160°	0.8	3.4	6.7	8.8	11.3
162.5°	0.8	2.9	5.4	7.5	9.6
165°	0.8	2.5	4.6	5.9	8.0
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)