

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-SLN-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 (P27402)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNLED-LD5-22SL-SLN-UNV-L835-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
SQUARE NARROW LENS
Light Source: -
Ballast/Driver: -

Summary

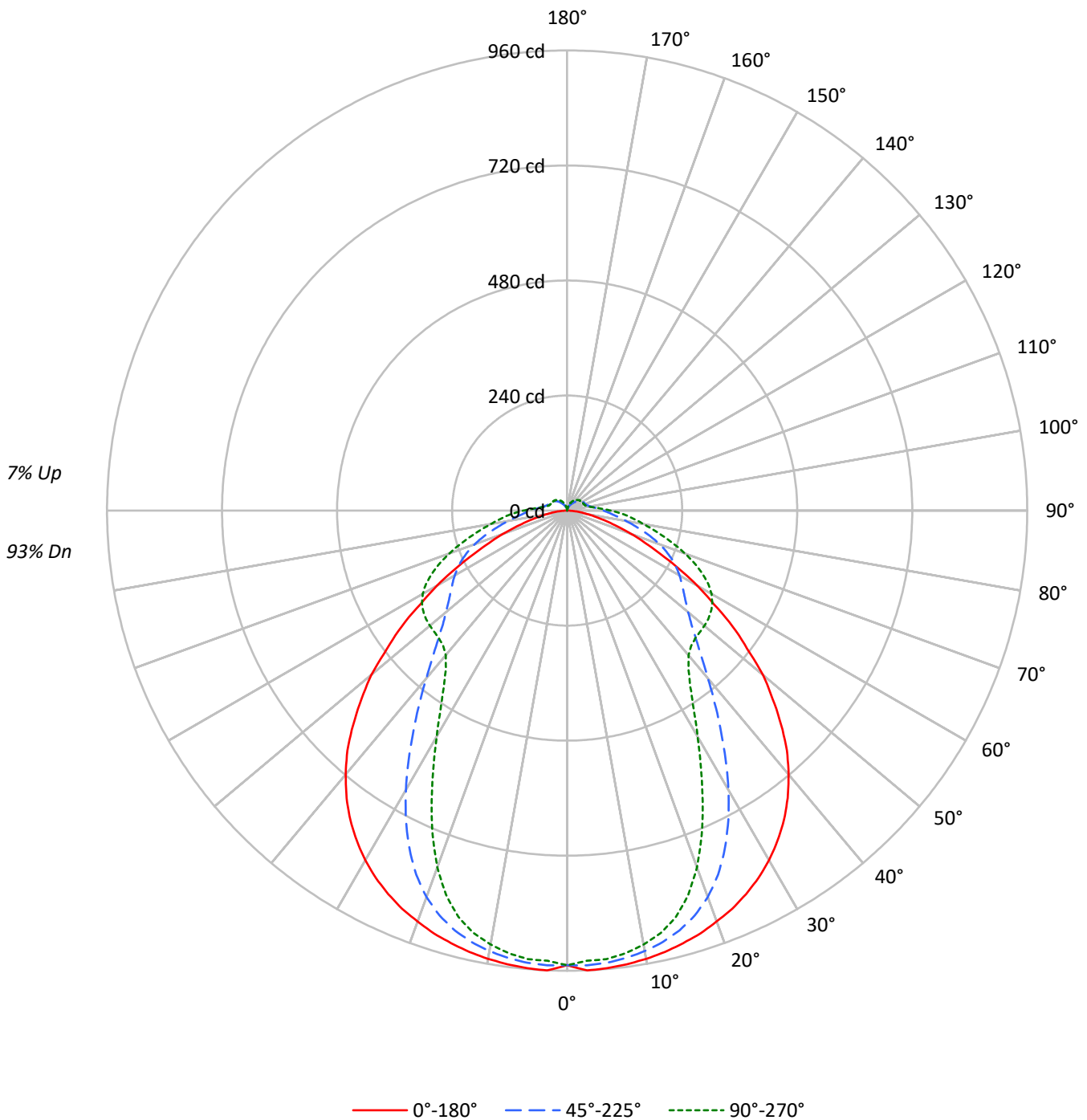
Lumens per Lamp: N/A
Luminaire Lumens: 2385.0 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 0.96 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	107	102	97	93	103	99	94	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	76	94	86	80	75	81	76	72	77	73	69	73	70	66	64
3	89	78	70	64	86	76	69	63	72	66	61	68	63	59	65	61	57	54
4	82	70	61	55	79	68	60	54	65	58	52	61	55	51	58	53	49	47
5	75	63	54	47	73	61	53	47	58	51	46	55	49	44	53	48	43	41
6	70	57	48	42	67	55	47	41	53	46	40	51	44	39	48	43	39	36
7	65	52	43	37	63	51	42	37	48	41	36	46	40	35	44	39	35	32
8	61	47	39	33	59	46	39	33	44	37	32	43	36	32	41	35	31	29
9	57	44	36	30	55	43	35	30	41	34	29	40	33	29	38	33	28	27
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	35	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15328	15328	15328
5°	15463	14960	14754
10°	15414	14521	14147
15°	15377	14009	13341
20°	15339	13264	11981
25°	15297	12133	10145
30°	15174	10657	8344
35°	14905	9049	6993
40°	14410	7648	6321
45°	13583	6632	6273
50°	12480	6048	6494
55°	10917	5799	6721
60°	9135	5698	6815
65°	7271	5550	6602
70°	5751	5242	6088
75°	4238	4716	5402
80°	3003	4205	4807
85°	1828	3922	4420



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	3.8
10°-20°	253.6	10.6
20°-30°	354.5	14.9
30°-40°	367.7	15.4
40°-50°	339.7	14.2
50°-60°	303.3	12.7
60°-70°	245.8	10.3
70°-80°	163.5	6.9
80°-90°	93.6	3.9
90°-100°	51.8	2.2
100°-110°	35.1	1.5
110°-120°	29.2	1.2
120°-130°	23.7	1.0
130°-140°	17.1	0.7
140°-150°	10.3	0.4
150°-160°	5.0	0.2
160°-170°	1.3	0.1
170°-180°	0.0	0.0
0°-30°	697.8	29.3
0°-40°	1065.6	44.7
0°-60°	1708.6	71.6
0°-90°	2211.5	92.7
90°-120°	116.1	4.9
90°-150°	167.2	7.0
90°-180°	173.0	7.3
0°-180°	2385.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	958	942	947	940	939	91
15°	934	915	907	886	878	264
25°	883	844	779	697	668	407
35°	788	702	558	469	448	492
45°	631	500	380	366	378	485
55°	422	319	297	345	366	375
65°	216	193	242	296	312	218
75°	84	105	163	200	208	92
85°	17	49	96	123	126	19
90°	1	34	76	92	91	1
95°	1	29	60	64	62	1
105°	0	25	43	42	40	0
115°	0	23	38	38	37	0
125°	0	19	34	35	35	0
135°	1	14	27	31	31	1
145°	1	9	18	24	26	1
155°	1	6	12	15	18	0
165°	1	3	6	7	10	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°	948.4	948.4	948.4	948.4	948.4
2.5°	960.3	944.7	949.6	945.5	940.1
5°	958.3	942.2	947.1	940.5	939.3
7.5°	954.6	938.5	941.4	933.5	931.5
10°	949.6	932.7	933.1	922.0	919.1
12.5°	943.0	924.5	922.0	906.7	902.6
15°	934.4	914.6	906.7	886.1	877.5
17.5°	924.9	901.8	885.7	854.0	840.4
20°	912.1	886.1	858.1	809.9	791.8
22.5°	899.3	867.2	822.3	758.0	733.6
25°	882.8	843.7	778.6	697.0	668.5
27.5°	864.3	816.1	728.3	634.3	603.8
30°	842.4	782.7	673.1	572.9	544.0
32.5°	816.9	745.2	614.9	517.7	490.9
35°	788.5	701.9	558.1	468.6	447.6
37.5°	755.9	654.5	505.3	429.1	415.5
40°	718.8	603.0	456.7	398.6	394.0
42.5°	678.8	552.7	415.0	378.8	382.9
45°	631.4	500.4	380.0	366.4	377.5
47.5°	581.6	449.3	351.6	359.4	375.5
50°	533.3	401.9	329.3	354.9	373.8
52.5°	473.6	359.4	311.6	350.7	371.4
55°	422.0	319.0	296.8	345.0	366.4
57.5°	362.7	282.7	283.6	337.6	359.0
60°	313.2	249.8	270.8	327.3	347.9
62.5°	263.0	220.1	256.8	313.7	332.2
65°	215.6	192.9	241.5	295.9	311.6
67.5°	176.0	168.2	224.2	274.5	287.7
70°	142.6	145.5	205.3	250.6	261.7
72.5°	109.6	124.5	184.6	225.0	234.5
75°	83.7	104.7	162.8	199.5	207.7
77.5°	61.8	87.4	143.0	176.4	183.4
80°	43.7	72.1	124.5	156.2	161.6
82.5°	29.3	59.4	109.2	138.1	143.0
85°	16.9	48.6	96.0	122.8	126.1
87.5°	7.0	40.4	85.3	107.2	108.8
90°	0.8	34.2	75.8	91.5	90.7
92.5°	0.8	30.9	67.6	76.7	74.6
95°	0.8	28.9	60.2	64.3	62.2
97.5°	0.8	27.6	53.6	55.2	53.2
100°	0.4	26.8	49.0	49.0	47.0
102.5°	0.4	26.0	45.7	44.5	42.9
105°	0.4	25.1	43.3	42.0	40.0
107.5°	0.4	24.7	41.6	40.4	38.3
110°	0.4	23.9	40.4	39.2	37.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.4	23.5	39.6	38.7	36.7
115°	0.4	22.7	38.3	37.9	36.7
117.5°	0.4	21.8	37.5	37.5	36.3
120°	0.4	21.0	36.3	37.1	35.9
122.5°	0.4	20.2	35.0	36.3	35.0
125°	0.4	19.4	33.8	35.4	34.6
127.5°	0.8	18.1	32.1	34.6	33.8
130°	0.4	16.9	30.5	33.8	33.4
132.5°	0.8	15.7	28.9	32.6	32.6
135°	0.8	14.4	26.8	31.3	31.3
137.5°	0.8	12.8	24.7	29.7	30.1
140°	0.8	11.5	22.7	28.0	28.9
142.5°	0.8	10.3	20.6	26.4	27.6
145°	0.8	9.1	18.5	24.3	26.0
147.5°	0.8	8.2	16.5	21.8	24.3
150°	0.8	7.0	14.8	19.8	22.3
152.5°	0.8	6.2	13.2	17.7	20.6
155°	0.8	5.8	11.5	15.2	18.5
157.5°	0.8	4.9	9.9	13.2	16.5
160°	0.8	4.1	8.2	11.5	14.0
162.5°	0.8	3.7	7.0	9.5	12.4
165°	0.8	3.3	5.8	7.4	9.9
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)