

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-LD5-18SL-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-LD5-18SL-SLC-UNV-L835-CD1-U
Description: 2FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

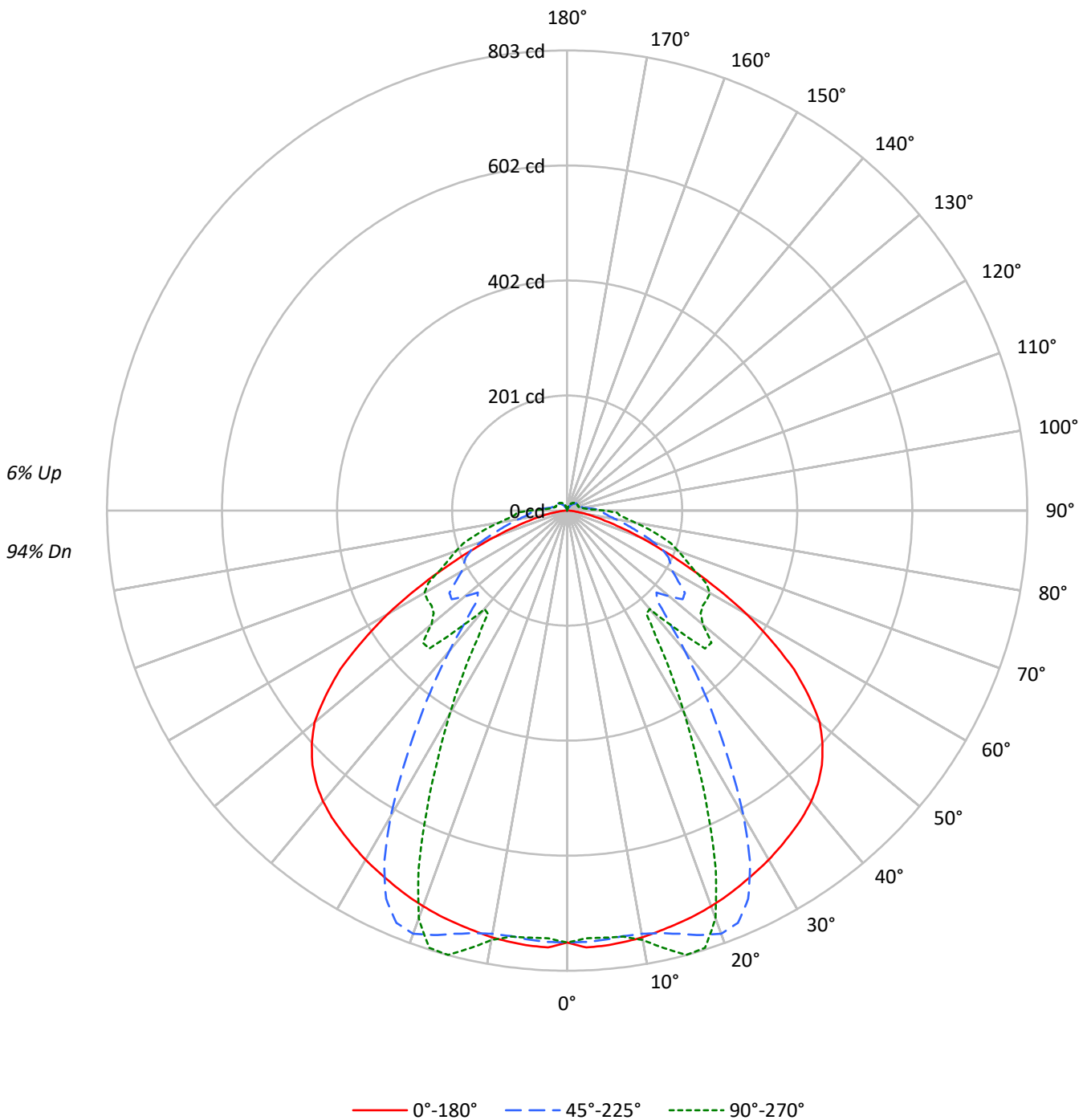
Lumens per Lamp: N/A
Luminaire Lumens: 1936.0 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 2' x H: 0.12')
CIE Type: Direct

Input Watts (W): 14
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



TEST NUMBER: P#
CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L835-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L835-CD1-U

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°	12181	12181	12181
5°	12295	11874	11750
10°	12277	11671	11709
15°	12277	11815	12203
20°	12354	12145	11455
25°	12469	11651	8820
30°	12673	9740	6273
35°	12941	7363	4248
40°	13283	5341	3597
45°	13522	3866	5655
50°	13467	4270	5366
55°	12505	4902	5300
60°	10567	4471	5634
65°	7864	4493	5153
70°	5436	4073	4797
75°	3479	3392	4304
80°	2130	2884	3582
85°	1049	2713	3214



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L835-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	3.7
10°-20°	216.5	11.2
20°-30°	314.5	16.2
30°-40°	300.5	15.5
40°-50°	274.9	14.2
50°-60°	253.8	13.1
60°-70°	201.6	10.4
70°-80°	124.4	6.4
80°-90°	67.8	3.5
90°-100°	34.3	1.8
100°-110°	21.5	1.1
110°-120°	18.2	0.9
120°-130°	14.9	0.8
130°-140°	10.7	0.6
140°-150°	6.6	0.3
150°-160°	3.1	0.2
160°-170°	0.8	0.0
170°-180°	0.0	0.0
0°-30°	602.8	31.1
0°-40°	903.3	46.7
0°-60°	1432.1	74.0
0°-90°	1825.9	94.3
90°-120°	74.0	3.8
90°-150°	106.2	5.5
90°-180°	110.0	5.7
0°-180°	1936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	754	754	754	754	754	
5°	762	750	752	748	748	73
15°	746	736	765	793	803	211
25°	720	734	748	633	581	333
35°	685	674	454	313	272	429
45°	629	438	222	283	340	483
55°	483	225	251	270	289	426
65°	233	146	196	238	243	236
75°	69	78	117	155	166	78
85°	10	33	66	90	92	12
90°	0	25	59	70	65	0
95°	0	23	41	36	34	0
105°	0	21	25	23	23	0
115°	0	17	24	22	21	0
125°	0	14	22	21	20	0
135°	0	10	17	19	18	0
145°	0	6	12	15	16	0
155°	1	4	7	10	12	0
165°	1	2	4	5	6	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	753.7	753.7	753.7	753.7	753.7
2.5°	763.0	752.0	753.3	751.0	747.0
5°	762.0	750.3	751.7	747.7	748.0
7.5°	759.3	747.3	749.0	748.3	750.0
10°	756.3	743.7	750.0	755.7	760.7
12.5°	751.0	739.7	755.0	771.7	782.0
15°	746.0	736.0	764.7	793.0	802.7
17.5°	741.0	734.6	776.7	801.4	800.0
20°	734.6	734.0	785.7	777.4	757.0
22.5°	727.6	734.3	778.7	717.6	677.6
25°	719.6	733.6	747.7	632.9	581.2
27.5°	711.6	730.6	691.3	540.1	489.1
30°	703.6	722.6	615.2	455.4	409.0
32.5°	694.3	705.3	532.5	380.3	337.6
35°	684.6	673.6	454.1	312.6	271.9
37.5°	674.6	627.9	383.7	253.2	227.2
40°	662.6	570.5	318.9	217.2	224.2
42.5°	647.6	505.8	261.9	227.9	276.6
45°	628.6	438.4	221.5	282.6	340.3
47.5°	604.5	373.7	211.5	323.6	341.6
50°	575.5	314.3	232.5	310.3	308.9
52.5°	531.5	264.9	253.9	282.9	293.6
55°	483.4	224.9	250.9	269.9	288.9
57.5°	422.7	197.8	230.2	267.2	289.3
60°	362.3	179.8	212.5	266.9	287.6
62.5°	295.6	163.5	203.5	260.6	272.9
65°	233.2	145.8	195.5	237.5	243.2
67.5°	178.8	127.8	181.5	211.9	223.2
70°	134.8	110.1	159.5	192.2	206.2
72.5°	97.1	93.4	136.8	174.8	189.5
75°	68.7	77.7	117.1	155.1	165.5
77.5°	47.4	63.4	100.4	133.5	141.8
80°	31.0	50.7	85.4	114.8	120.4
82.5°	18.7	40.7	74.1	100.4	103.4
85°	9.7	33.0	66.4	90.4	91.7
87.5°	3.0	27.7	62.1	85.7	87.4
90°	0.3	24.7	59.4	70.4	65.1
92.5°	0.0	23.4	51.4	48.0	43.0
95°	0.0	23.0	41.0	36.4	34.4
97.5°	0.0	22.4	33.7	30.4	29.4
100°	0.0	21.7	29.0	26.7	26.4
102.5°	0.0	21.4	26.4	24.4	24.0
105°	0.0	20.7	25.4	23.0	22.7
107.5°	0.0	19.7	24.7	22.4	21.7
110°	0.0	18.7	24.7	22.0	21.0



TEST NUMBER: P#

CATALOG NUMBER: 2SNLED-LD5-18SL-SLC-UNV-L835-CD1-U

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	17.7	24.7	21.7	20.7
115°	0.0	17.0	24.4	21.7	20.7
117.5°	0.3	16.3	24.0	21.7	20.7
120°	0.0	15.7	23.4	21.7	20.4
122.5°	0.3	14.7	22.7	21.4	20.4
125°	0.3	13.7	21.7	21.0	20.0
127.5°	0.3	12.7	20.7	20.4	19.4
130°	0.3	11.7	19.7	20.0	19.0
132.5°	0.3	10.7	18.3	19.4	18.7
135°	0.3	9.7	17.3	19.0	18.3
137.5°	0.3	8.7	16.0	18.0	18.0
140°	0.3	7.7	14.7	17.3	17.7
142.5°	0.3	7.0	13.3	16.7	17.0
145°	0.3	6.0	12.0	15.3	16.3
147.5°	0.3	5.3	10.7	14.0	15.3
150°	0.3	4.7	9.3	12.7	14.0
152.5°	0.3	4.0	8.3	11.0	13.0
155°	0.7	3.7	7.3	9.7	11.7
157.5°	0.7	3.0	6.0	8.3	10.0
160°	0.7	2.7	5.3	7.0	9.0
162.5°	0.7	2.3	4.3	6.0	7.7
165°	0.7	2.0	3.7	4.7	6.3
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)