

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-LD5-18SL-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: 4SNLED-LD5-18SL-SLC-UNV-L835-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

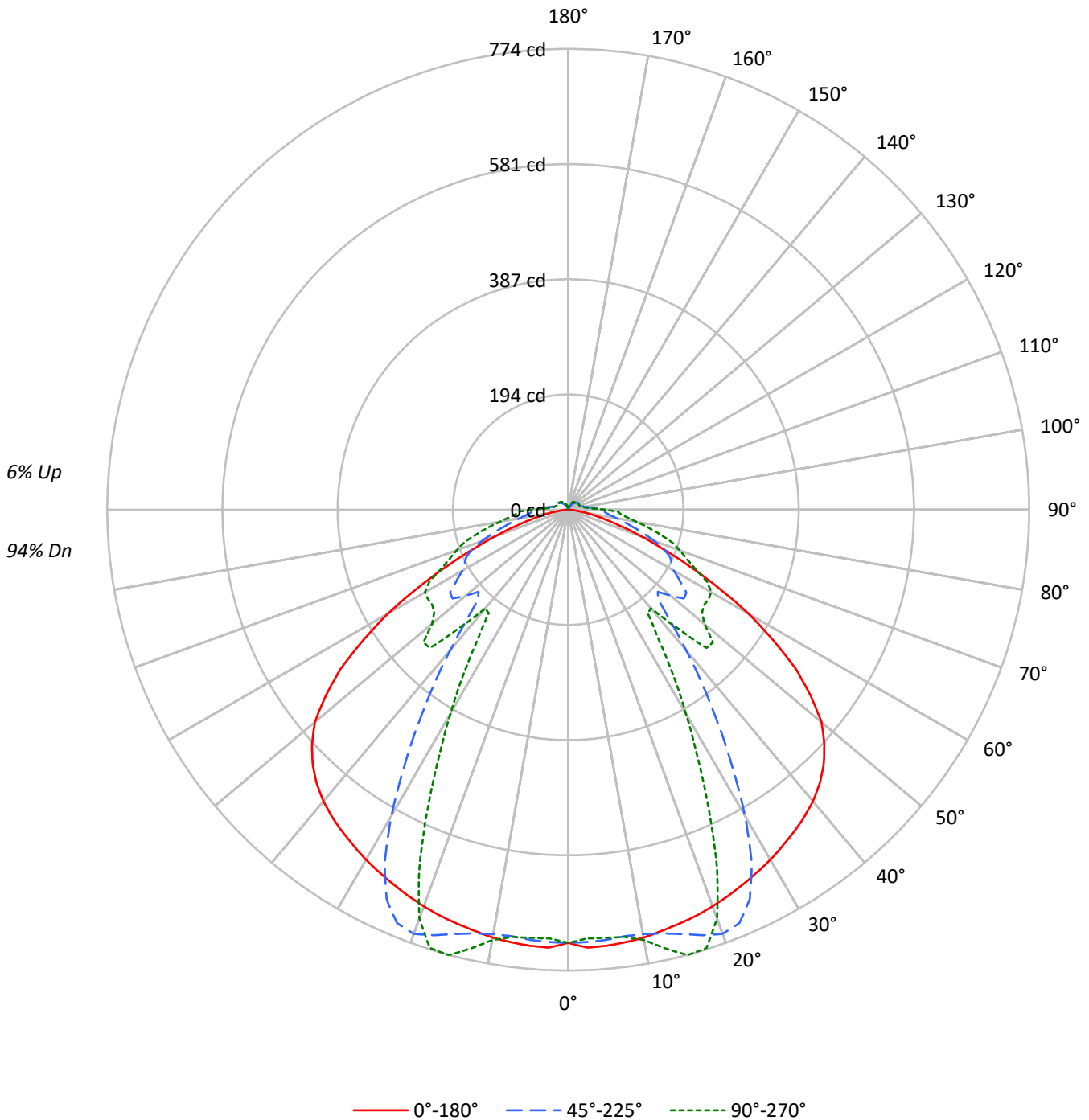
Lumens per Lamp: N/A
Luminaire Lumens: 1868.0 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 13
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	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°	5877	5877	5877
5°	5948	5739	5668
10°	5956	5652	5649
15°	5972	5731	5887
20°	6027	5902	5526
25°	6103	5672	4255
30°	6223	4750	3027
35°	6377	3598	2050
40°	6572	2615	1735
45°	6721	1897	2728
50°	6730	2101	2589
55°	6290	2418	2557
60°	5360	2213	2718
65°	4032	2231	2486
70°	2831	2031	2313
75°	1854	1702	2077
80°	1182	1458	1728
85°	635	1387	1551



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	3.7
10°-20°	208.9	11.2
20°-30°	303.5	16.2
30°-40°	290.0	15.5
40°-50°	265.3	14.2
50°-60°	244.9	13.1
60°-70°	194.5	10.4
70°-80°	120.1	6.4
80°-90°	65.4	3.5
90°-100°	33.1	1.8
100°-110°	20.8	1.1
110°-120°	17.6	0.9
120°-130°	14.4	0.8
130°-140°	10.3	0.6
140°-150°	6.4	0.3
150°-160°	3.0	0.2
160°-170°	0.8	0.0
170°-180°	0.0	0.0
0°-30°	581.6	31.1
0°-40°	871.6	46.7
0°-60°	1381.8	74.0
0°-90°	1761.8	94.3
90°-120°	71.4	3.8
90°-150°	102.4	5.5
90°-180°	106.0	5.7
0°-180°	1868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	727	727	727	727	727	
5°	735	724	725	721	722	70
15°	720	710	738	765	774	204
25°	694	708	721	611	561	321
35°	661	650	438	302	262	414
45°	606	423	214	273	328	466
55°	466	217	242	260	279	411
65°	225	141	189	229	235	228
75°	66	75	113	150	160	75
85°	9	32	64	87	88	12
90°	0	24	57	68	63	0
95°	0	22	40	35	33	0
105°	0	20	24	22	22	0
115°	0	16	24	21	20	0
125°	0	13	21	20	19	0
135°	0	9	17	18	18	0
145°	0	6	12	15	16	0
155°	1	4	7	9	11	0
165°	1	2	4	4	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°	727.2	727.2	727.2	727.2	727.2
2.5°	736.2	725.6	726.9	724.6	720.8
5°	735.2	724.0	725.3	721.4	721.7
7.5°	732.7	721.1	722.7	722.0	723.7
10°	729.8	717.5	723.7	729.1	734.0
12.5°	724.6	713.7	728.5	744.6	754.6
15°	719.8	710.1	737.8	765.2	774.5
17.5°	715.0	708.8	749.4	773.2	771.9
20°	708.8	708.2	758.1	750.1	730.4
22.5°	702.1	708.5	751.3	692.4	653.8
25°	694.4	707.9	721.4	610.7	560.8
27.5°	686.6	705.0	667.0	521.2	471.9
30°	678.9	697.3	593.6	439.4	394.7
32.5°	669.9	680.5	513.8	367.0	325.8
35°	660.6	649.9	438.1	301.6	262.4
37.5°	650.9	605.8	370.2	244.3	219.2
40°	639.3	550.5	307.7	209.6	216.3
42.5°	624.8	488.0	252.7	219.9	266.9
45°	606.5	423.0	213.7	272.7	328.3
47.5°	583.3	360.5	204.1	312.3	329.6
50°	555.3	303.2	224.4	299.4	298.1
52.5°	512.8	255.6	245.0	273.0	283.3
55°	466.4	217.0	242.1	260.4	278.8
57.5°	407.9	190.9	222.1	257.8	279.1
60°	349.6	173.5	205.1	257.5	277.5
62.5°	285.2	157.7	196.4	251.4	263.3
65°	225.0	140.7	188.6	229.2	234.7
67.5°	172.5	123.3	175.1	204.4	215.4
70°	130.1	106.2	153.9	185.4	198.9
72.5°	93.7	90.1	132.0	168.7	182.8
75°	66.3	75.0	113.0	149.7	159.7
77.5°	45.7	61.2	96.9	128.8	136.8
80°	29.9	48.9	82.4	110.7	116.2
82.5°	18.0	39.3	71.5	96.9	99.8
85°	9.3	31.9	64.1	87.2	88.5
87.5°	2.9	26.7	59.9	82.7	84.3
90°	0.3	23.8	57.3	67.9	62.8
92.5°	0.0	22.5	49.6	46.4	41.5
95°	0.0	22.2	39.6	35.1	33.2
97.5°	0.0	21.6	32.5	29.3	28.3
100°	0.0	20.9	28.0	25.8	25.4
102.5°	0.0	20.6	25.4	23.5	23.2
105°	0.0	20.0	24.5	22.2	21.9
107.5°	0.0	19.0	23.8	21.6	20.9
110°	0.0	18.0	23.8	21.2	20.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	17.1	23.8	20.9	20.0
115°	0.0	16.4	23.5	20.9	20.0
117.5°	0.3	15.8	23.2	20.9	20.0
120°	0.0	15.1	22.5	20.9	19.6
122.5°	0.3	14.2	21.9	20.6	19.6
125°	0.3	13.2	20.9	20.3	19.3
127.5°	0.3	12.2	20.0	19.6	18.7
130°	0.3	11.3	19.0	19.3	18.3
132.5°	0.3	10.3	17.7	18.7	18.0
135°	0.3	9.3	16.7	18.3	17.7
137.5°	0.3	8.4	15.5	17.4	17.4
140°	0.3	7.4	14.2	16.7	17.1
142.5°	0.3	6.8	12.9	16.1	16.4
145°	0.3	5.8	11.6	14.8	15.8
147.5°	0.3	5.2	10.3	13.5	14.8
150°	0.3	4.5	9.0	12.2	13.5
152.5°	0.3	3.9	8.0	10.6	12.6
155°	0.6	3.5	7.1	9.3	11.3
157.5°	0.6	2.9	5.8	8.0	9.7
160°	0.6	2.6	5.2	6.8	8.7
162.5°	0.6	2.3	4.2	5.8	7.4
165°	0.6	1.9	3.5	4.5	6.1
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)