

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-LD5-22SL-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-LD5-22SL-SLC-UNV-L835-CD1-U
Description: 4FT LINEAR SNLED LED FIXTURE
CLEAR SQUARE LENS
Light Source: -
Ballast/Driver: -

Summary

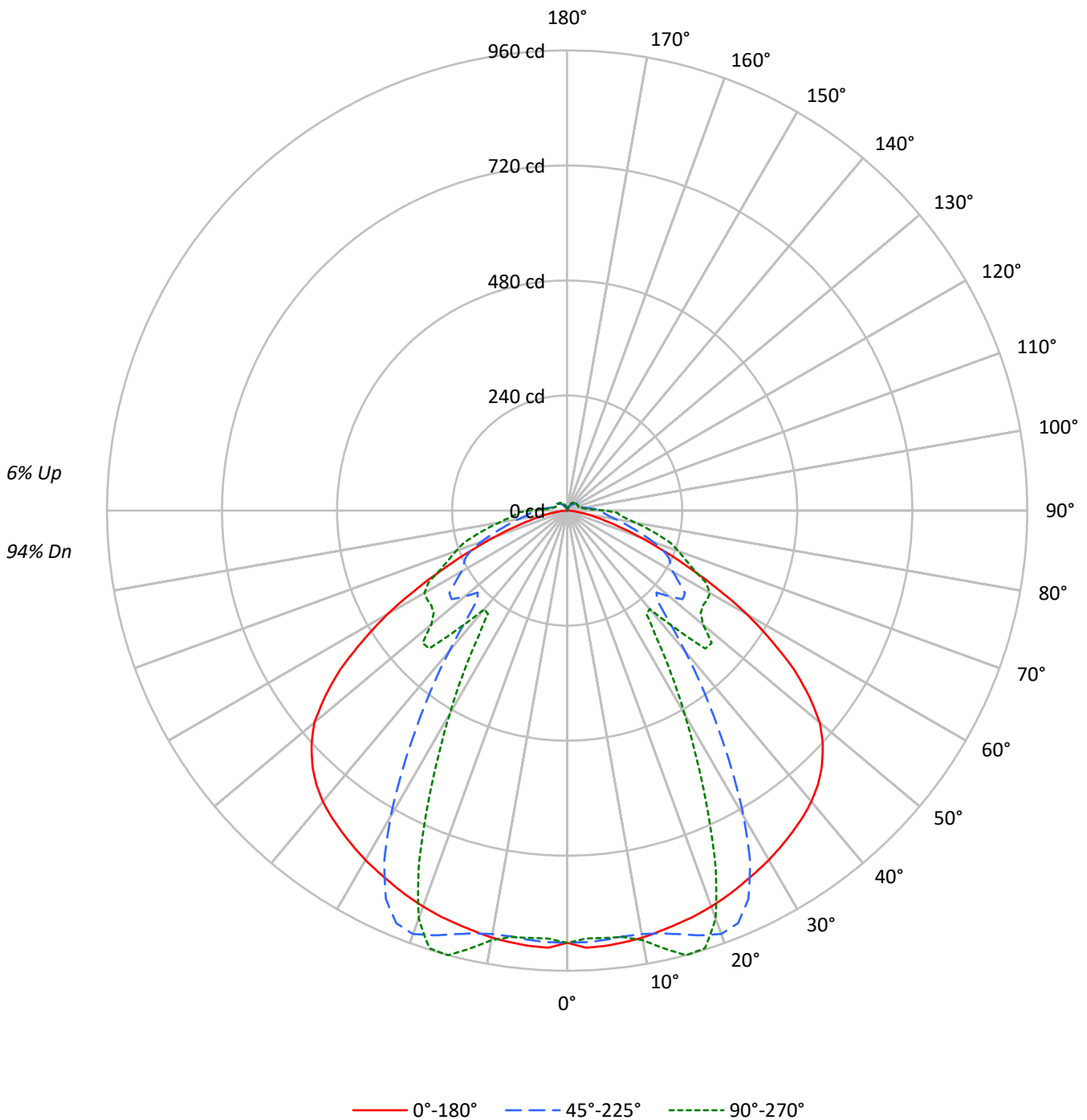
Lumens per Lamp: N/A
Luminaire Lumens: 2316.0 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')
CIE Type: Direct

Input Watts (W): 16
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°	7286	7286	7286
5°	7375	7115	7028
10°	7384	7007	7004
15°	7404	7106	7300
20°	7472	7317	6852
25°	7566	7032	5276
30°	7715	5890	3752
35°	7907	4461	2541
40°	8148	3243	2152
45°	8333	2352	3383
50°	8345	2605	3210
55°	7799	2997	3170
60°	6645	2743	3369
65°	5000	2767	3083
70°	3508	2519	2869
75°	2298	2110	2575
80°	1467	1808	2143
85°	792	1717	1924



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	3.7
10°-20°	259.0	11.2
20°-30°	376.3	16.2
30°-40°	359.5	15.5
40°-50°	328.9	14.2
50°-60°	303.7	13.1
60°-70°	241.2	10.4
70°-80°	148.9	6.4
80°-90°	81.1	3.5
90°-100°	41.0	1.8
100°-110°	25.7	1.1
110°-120°	21.8	0.9
120°-130°	17.8	0.8
130°-140°	12.8	0.6
140°-150°	7.9	0.3
150°-160°	3.7	0.2
160°-170°	1.0	0.0
170°-180°	0.0	0.0
0°-30°	721.1	31.1
0°-40°	1080.6	46.7
0°-60°	1713.1	74.0
0°-90°	2184.3	94.3
90°-120°	88.5	3.8
90°-150°	127.0	5.5
90°-180°	132.0	5.7
0°-180°	2316.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	912	898	899	894	895	87
15°	892	880	915	949	960	253
25°	861	878	894	757	695	398
35°	819	806	543	374	325	514
45°	752	524	265	338	407	578
55°	578	269	300	323	346	509
65°	279	174	234	284	291	282
75°	82	93	140	186	198	93
85°	12	40	79	108	110	15
90°	0	30	71	84	78	1
95°	0	28	49	44	41	0
105°	0	25	30	28	27	0
115°	0	20	29	26	25	0
125°	0	16	26	25	24	0
135°	0	12	21	23	22	0
145°	0	7	14	18	20	0
155°	1	4	9	12	14	0
165°	1	2	4	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°	901.6	901.6	901.6	901.6	901.6
2.5°	912.8	899.6	901.2	898.4	893.6
5°	911.6	897.6	899.2	894.4	894.8
7.5°	908.4	894.0	896.0	895.2	897.2
10°	904.8	889.6	897.2	904.0	910.0
12.5°	898.4	884.8	903.2	923.1	935.5
15°	892.4	880.4	914.8	948.7	960.3
17.5°	886.4	878.8	929.1	958.7	957.1
20°	878.8	878.0	939.9	929.9	905.6
22.5°	870.5	878.4	931.5	858.5	810.6
25°	860.9	877.6	894.4	757.1	695.3
27.5°	851.3	874.1	827.0	646.2	585.1
30°	841.7	864.5	736.0	544.8	489.3
32.5°	830.6	843.7	637.0	455.0	403.9
35°	819.0	805.8	543.2	374.0	325.3
37.5°	807.0	751.1	459.0	302.9	271.8
40°	792.6	682.5	381.6	259.8	268.2
42.5°	774.7	605.1	313.3	272.6	330.9
45°	751.9	524.4	265.0	338.0	407.1
47.5°	723.2	447.0	253.0	387.1	408.7
50°	688.5	376.0	278.2	371.2	369.6
52.5°	635.8	316.9	303.7	338.4	351.2
55°	578.3	269.0	300.1	322.9	345.6
57.5°	505.7	236.7	275.4	319.7	346.0
60°	433.4	215.1	254.2	319.3	344.0
62.5°	353.6	195.6	243.5	311.7	326.5
65°	279.0	174.4	233.9	284.2	291.0
67.5°	213.9	152.9	217.1	253.4	267.0
70°	161.2	131.7	190.8	229.9	246.7
72.5°	116.1	111.8	163.6	209.1	226.7
75°	82.2	93.0	140.1	185.6	198.0
77.5°	56.7	75.8	120.1	159.6	169.6
80°	37.1	60.7	102.2	137.3	144.1
82.5°	22.4	48.7	88.6	120.1	123.7
85°	11.6	39.5	79.4	108.2	109.8
87.5°	3.6	33.1	74.2	102.6	104.6
90°	0.4	29.5	71.0	84.2	77.8
92.5°	0.0	27.9	61.5	57.5	51.5
95°	0.0	27.5	49.1	43.5	41.1
97.5°	0.0	26.7	40.3	36.3	35.1
100°	0.0	25.9	34.7	31.9	31.5
102.5°	0.0	25.5	31.5	29.1	28.7
105°	0.0	24.7	30.3	27.5	27.1
107.5°	0.0	23.5	29.5	26.7	25.9
110°	0.0	22.4	29.5	26.3	25.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	21.2	29.5	25.9	24.7
115°	0.0	20.4	29.1	25.9	24.7
117.5°	0.4	19.6	28.7	25.9	24.7
120°	0.0	18.8	27.9	25.9	24.3
122.5°	0.4	17.6	27.1	25.5	24.3
125°	0.4	16.4	25.9	25.1	23.9
127.5°	0.4	15.2	24.7	24.3	23.1
130°	0.4	14.0	23.5	23.9	22.7
132.5°	0.4	12.8	22.0	23.1	22.4
135°	0.4	11.6	20.8	22.7	22.0
137.5°	0.4	10.4	19.2	21.6	21.6
140°	0.4	9.2	17.6	20.8	21.2
142.5°	0.4	8.4	16.0	20.0	20.4
145°	0.4	7.2	14.4	18.4	19.6
147.5°	0.4	6.4	12.8	16.8	18.4
150°	0.4	5.6	11.2	15.2	16.8
152.5°	0.4	4.8	10.0	13.2	15.6
155°	0.8	4.4	8.8	11.6	14.0
157.5°	0.8	3.6	7.2	10.0	12.0
160°	0.8	3.2	6.4	8.4	10.8
162.5°	0.8	2.8	5.2	7.2	9.2
165°	0.8	2.4	4.4	5.6	7.6
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)