

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-L950-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-L950-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

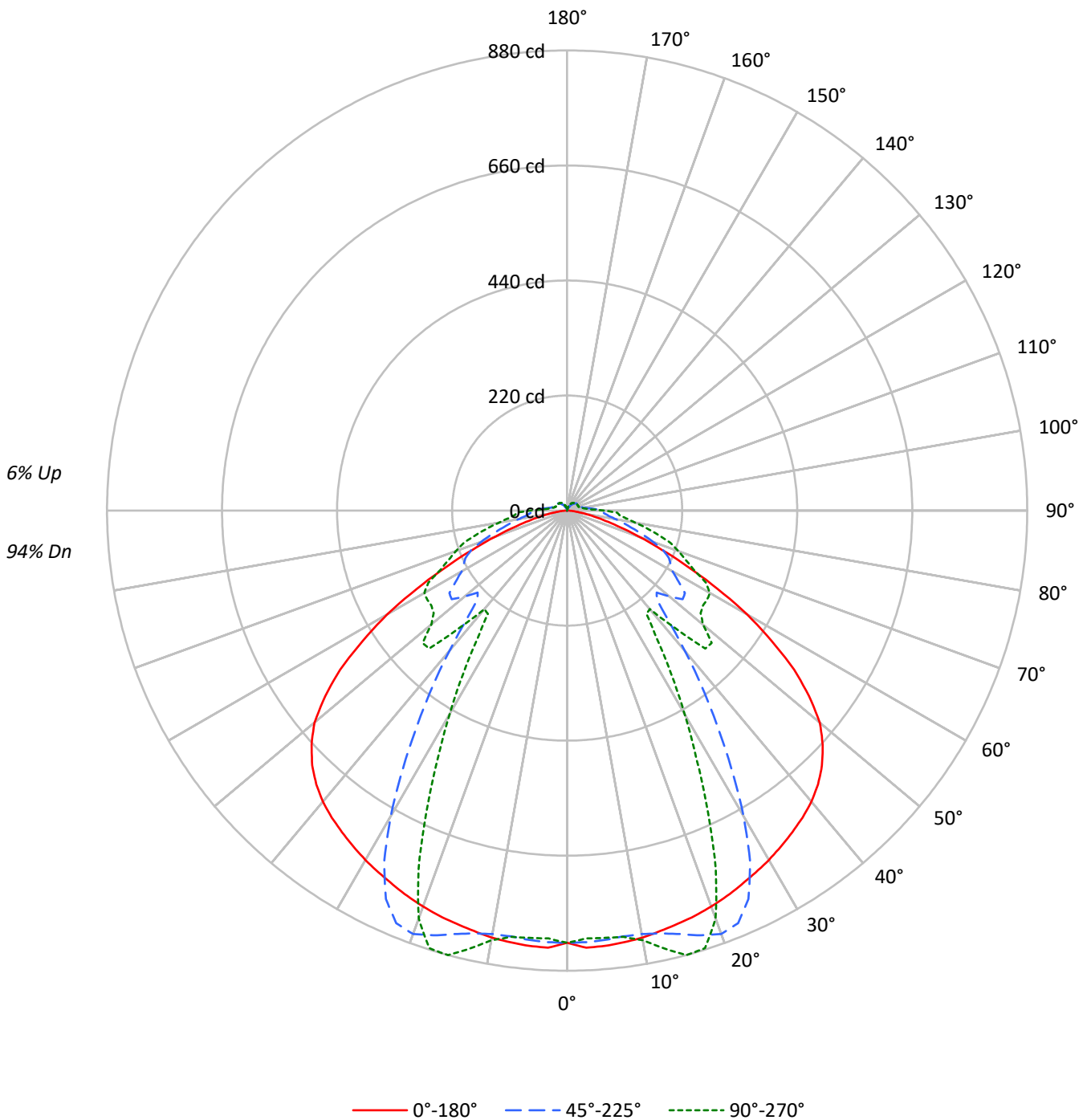
Lumens per Lamp: N/A  
Luminaire Lumens: 2123.0 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

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°	6679	6679	6679
5°	6760	6523	6442
10°	6768	6423	6419
15°	6787	6513	6691
20°	6850	6707	6280
25°	6935	6446	4836
30°	7072	5399	3440
35°	7247	4089	2329
40°	7469	2973	1973
45°	7639	2156	3101
50°	7649	2388	2943
55°	7149	2748	2906
60°	6091	2514	3089
65°	4582	2536	2825
70°	3216	2309	2630
75°	2108	1934	2360
80°	1344	1658	1965
85°	724	1575	1763



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.6	3.7
10°-20°	237.4	11.2
20°-30°	344.9	16.2
30°-40°	329.6	15.5
40°-50°	301.5	14.2
50°-60°	278.3	13.1
60°-70°	221.1	10.4
70°-80°	136.5	6.4
80°-90°	74.3	3.5
90°-100°	37.6	1.8
100°-110°	23.6	1.1
110°-120°	20.0	0.9
120°-130°	16.3	0.8
130°-140°	11.7	0.6
140°-150°	7.2	0.3
150°-160°	3.4	0.2
160°-170°	0.9	0.0
170°-180°	0.0	0.0
0°-30°	661.0	31.1
0°-40°	990.6	46.7
0°-60°	1570.4	74.0
0°-90°	2002.2	94.3
90°-120°	81.2	3.8
90°-150°	116.4	5.5
90°-180°	121.0	5.7
0°-180°	2123.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	826	826	826	826	826	
5°	836	823	824	820	820	80
15°	818	807	838	870	880	232
25°	789	804	820	694	637	365
35°	751	739	498	343	298	471
45°	689	481	243	310	373	530
55°	530	247	275	296	317	467
65°	256	160	214	260	267	259
75°	75	85	128	170	182	85
85°	11	36	73	99	101	14
90°	0	27	65	77	71	1
95°	0	25	45	40	38	0
105°	0	23	28	25	25	0
115°	0	19	27	24	23	0
125°	0	15	24	23	22	0
135°	0	11	19	21	20	0
145°	0	7	13	17	18	0
155°	1	4	8	11	13	0
165°	1	2	4	5	7	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P#

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	826.5	826.5	826.5	826.5	826.5
2.5°	836.7	824.6	826.1	823.5	819.1
5°	835.6	822.8	824.3	819.9	820.2
7.5°	832.7	819.5	821.3	820.6	822.4
10°	829.4	815.5	822.4	828.7	834.1
12.5°	823.5	811.1	827.9	846.2	857.6
15°	818.0	807.1	838.5	869.6	880.2
17.5°	812.6	805.6	851.7	878.8	877.3
20°	805.6	804.9	861.6	852.4	830.1
22.5°	797.9	805.2	853.9	787.0	743.0
25°	789.1	804.5	819.9	694.0	637.3
27.5°	780.4	801.2	758.0	592.3	536.3
30°	771.6	792.4	674.6	499.4	448.5
32.5°	761.3	773.4	583.9	417.1	370.2
35°	750.7	738.7	497.9	342.8	298.2
37.5°	739.8	688.5	420.7	277.7	249.1
40°	726.6	625.6	349.8	238.2	245.9
42.5°	710.1	554.6	287.2	249.9	303.3
45°	689.3	480.7	242.9	309.9	373.2
47.5°	662.9	409.8	232.0	354.9	374.6
50°	631.1	344.6	255.0	340.2	338.8
52.5°	582.8	290.5	278.4	310.2	322.0
55°	530.1	246.6	275.1	296.0	316.8
57.5°	463.5	217.0	252.4	293.0	317.2
60°	397.3	197.2	233.0	292.7	315.4
62.5°	324.1	179.3	223.2	285.7	299.3
65°	255.7	159.9	214.4	260.5	266.7
67.5°	196.1	140.1	199.0	232.3	244.8
70°	147.8	120.7	174.9	210.7	226.1
72.5°	106.5	102.4	150.0	191.7	207.8
75°	75.4	85.2	128.4	170.1	181.5
77.5°	52.0	69.5	110.1	146.3	155.5
80°	34.0	55.6	93.7	125.9	132.1
82.5°	20.5	44.6	81.2	110.1	113.4
85°	10.6	36.2	72.8	99.1	100.6
87.5°	3.3	30.4	68.0	94.0	95.9
90°	0.4	27.1	65.1	77.2	71.3
92.5°	0.0	25.6	56.3	52.7	47.2
95°	0.0	25.2	45.0	39.9	37.7
97.5°	0.0	24.5	37.0	33.3	32.2
100°	0.0	23.8	31.8	29.3	28.9
102.5°	0.0	23.4	28.9	26.7	26.3
105°	0.0	22.7	27.8	25.2	24.9
107.5°	0.0	21.6	27.1	24.5	23.8
110°	0.0	20.5	27.1	24.1	23.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	19.4	27.1	23.8	22.7
115°	0.0	18.7	26.7	23.8	22.7
117.5°	0.4	17.9	26.3	23.8	22.7
120°	0.0	17.2	25.6	23.8	22.3
122.5°	0.4	16.1	24.9	23.4	22.3
125°	0.4	15.0	23.8	23.0	22.0
127.5°	0.4	13.9	22.7	22.3	21.2
130°	0.4	12.8	21.6	22.0	20.9
132.5°	0.4	11.7	20.1	21.2	20.5
135°	0.4	10.6	19.0	20.9	20.1
137.5°	0.4	9.5	17.6	19.8	19.8
140°	0.4	8.4	16.1	19.0	19.4
142.5°	0.4	7.7	14.6	18.3	18.7
145°	0.4	6.6	13.2	16.8	17.9
147.5°	0.4	5.9	11.7	15.4	16.8
150°	0.4	5.1	10.2	13.9	15.4
152.5°	0.4	4.4	9.1	12.1	14.3
155°	0.7	4.0	8.0	10.6	12.8
157.5°	0.7	3.3	6.6	9.1	11.0
160°	0.7	2.9	5.9	7.7	9.9
162.5°	0.7	2.6	4.8	6.6	8.4
165°	0.7	2.2	4.0	5.1	7.0
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)