

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-L940-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-L940-CD1-U  
Description: 4FT LINEAR SNLED LED FIXTURE  
CLEAR SQUARE LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

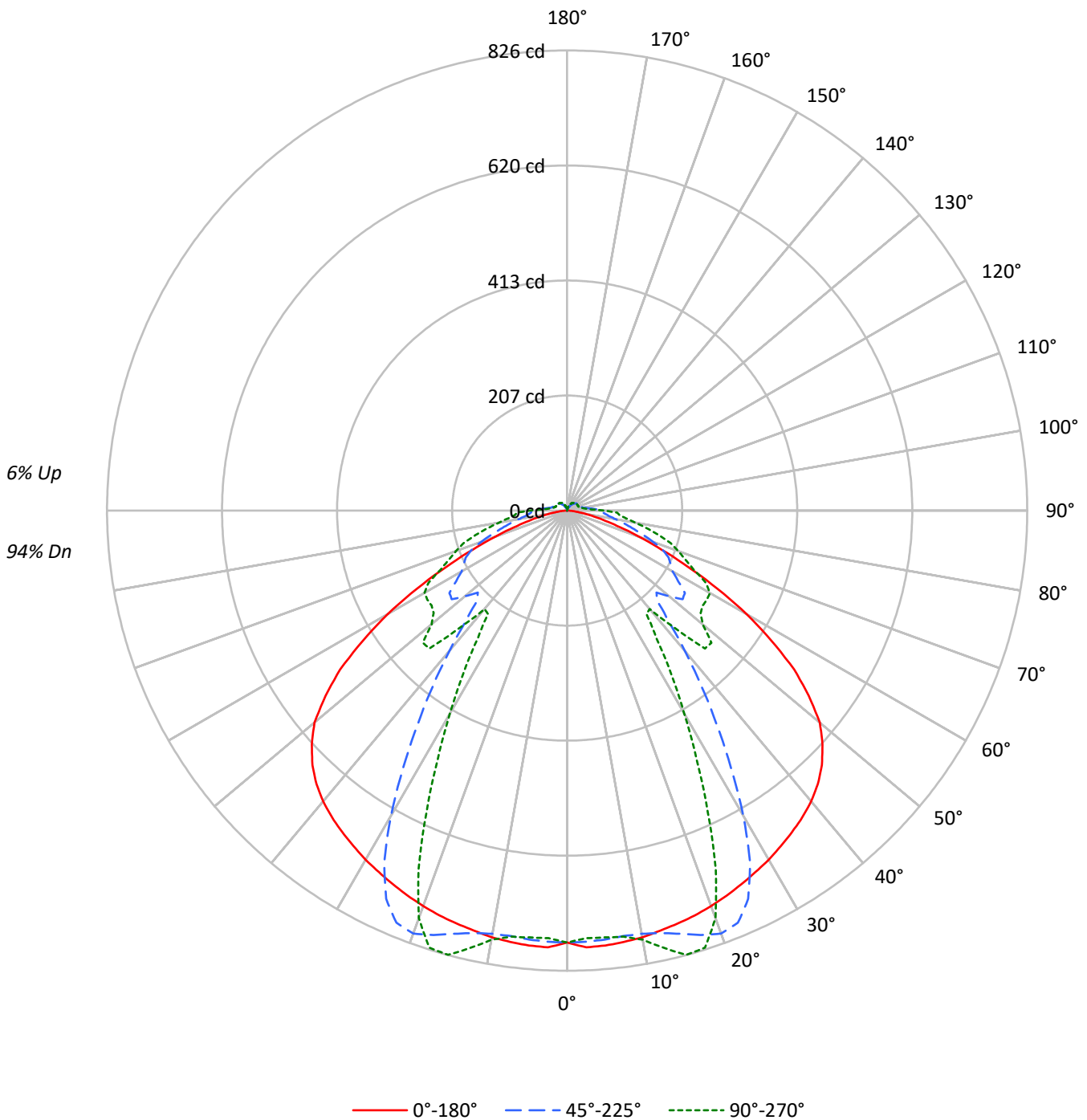
Lumens per Lamp: N/A  
Luminaire Lumens: 1991.0 lumens  
Efficiency: N/A  
Efficacy: 124.4 lumens/watt  
Spacing Criteria (0/90/45): 1.4 / 1 / 1.08  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 4' x H: 0.12')  
CIE Type: Direct

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	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°	6264	6264	6264
5°	6340	6117	6041
10°	6347	6024	6021
15°	6365	6108	6275
20°	6424	6290	5890
25°	6504	6045	4535
30°	6632	5063	3226
35°	6797	3835	2184
40°	7004	2788	1850
45°	7163	2022	2908
50°	7174	2239	2760
55°	6706	2577	2725
60°	5713	2358	2897
65°	4297	2379	2649
70°	3016	2165	2466
75°	1977	1813	2213
80°	1261	1553	1843
85°	683	1477	1654



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.7	3.7
10°-20°	222.7	11.2
20°-30°	323.5	16.2
30°-40°	309.1	15.5
40°-50°	282.7	14.2
50°-60°	261.0	13.1
60°-70°	207.3	10.4
70°-80°	128.0	6.4
80°-90°	69.7	3.5
90°-100°	35.2	1.8
100°-110°	22.1	1.1
110°-120°	18.7	0.9
120°-130°	15.3	0.8
130°-140°	11.0	0.6
140°-150°	6.8	0.3
150°-160°	3.2	0.2
160°-170°	0.8	0.0
170°-180°	0.0	0.0
0°-30°	619.9	31.1
0°-40°	929.0	46.7
0°-60°	1472.7	74.0
0°-90°	1877.8	94.3
90°-120°	76.1	3.8
90°-150°	109.2	5.5
90°-180°	113.0	5.7
0°-180°	1991.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	775	775	775	775	775	
5°	784	772	773	769	769	75
15°	767	757	786	816	826	217
25°	740	754	769	651	598	342
35°	704	693	467	322	280	441
45°	646	451	228	291	350	497
55°	497	231	258	278	297	438
65°	240	150	201	244	250	243
75°	71	80	120	160	170	80
85°	10	34	68	93	94	13
90°	0	25	61	72	67	1
95°	0	24	42	37	35	0
105°	0	21	26	24	23	0
115°	0	18	25	22	21	0
125°	0	14	22	22	21	0
135°	0	10	18	20	19	0
145°	0	6	12	16	17	0
155°	1	4	8	10	12	0
165°	1	2	4	5	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°	775.1	775.1	775.1	775.1	775.1
2.5°	784.7	773.4	774.7	772.3	768.2
5°	783.7	771.6	773.0	768.9	769.2
7.5°	780.9	768.6	770.3	769.6	771.3
10°	777.8	764.8	771.3	777.1	782.3
12.5°	772.3	760.7	776.4	793.6	804.2
15°	767.2	756.9	786.4	815.6	825.5
17.5°	762.0	755.5	798.8	824.1	822.8
20°	755.5	754.8	808.0	799.4	778.5
22.5°	748.3	755.2	800.8	738.0	696.8
25°	740.1	754.5	768.9	650.9	597.7
27.5°	731.8	751.4	710.9	555.5	503.0
30°	723.6	743.2	632.7	468.3	420.6
32.5°	714.0	725.3	547.6	391.1	347.2
35°	704.1	692.7	467.0	321.5	279.6
37.5°	693.8	645.7	394.6	260.4	233.7
40°	681.4	586.7	328.0	223.4	230.6
42.5°	666.0	520.1	269.3	234.3	284.4
45°	646.4	450.8	227.8	290.6	350.0
47.5°	621.7	384.3	217.5	332.8	351.3
50°	591.9	323.2	239.1	319.1	317.7
52.5°	546.6	272.4	261.1	291.0	301.9
55°	497.2	231.3	258.0	277.6	297.1
57.5°	434.7	203.5	236.7	274.8	297.5
60°	372.6	184.9	218.6	274.5	295.8
62.5°	304.0	168.1	209.3	268.0	280.7
65°	239.8	149.9	201.1	244.3	250.1
67.5°	183.9	131.4	186.6	217.9	229.5
70°	138.6	113.2	164.0	197.6	212.0
72.5°	99.8	96.1	140.7	179.8	194.9
75°	70.7	79.9	120.4	159.5	170.2
77.5°	48.7	65.2	103.3	137.2	145.8
80°	31.9	52.2	87.8	118.0	123.9
82.5°	19.2	41.9	76.2	103.3	106.4
85°	10.0	34.0	68.3	93.0	94.4
87.5°	3.1	28.5	63.8	88.2	89.9
90°	0.3	25.4	61.1	72.4	66.9
92.5°	0.0	24.0	52.8	49.4	44.3
95°	0.0	23.7	42.2	37.4	35.3
97.5°	0.0	23.0	34.7	31.2	30.2
100°	0.0	22.3	29.9	27.4	27.1
102.5°	0.0	22.0	27.1	25.0	24.7
105°	0.0	21.3	26.1	23.7	23.3
107.5°	0.0	20.2	25.4	23.0	22.3
110°	0.0	19.2	25.4	22.6	21.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	18.2	25.4	22.3	21.3
115°	0.0	17.5	25.0	22.3	21.3
117.5°	0.3	16.8	24.7	22.3	21.3
120°	0.0	16.1	24.0	22.3	20.9
122.5°	0.3	15.1	23.3	22.0	20.9
125°	0.3	14.1	22.3	21.6	20.6
127.5°	0.3	13.0	21.3	20.9	19.9
130°	0.3	12.0	20.2	20.6	19.6
132.5°	0.3	11.0	18.9	19.9	19.2
135°	0.3	10.0	17.8	19.6	18.9
137.5°	0.3	8.9	16.5	18.5	18.5
140°	0.3	7.9	15.1	17.8	18.2
142.5°	0.3	7.2	13.7	17.2	17.5
145°	0.3	6.2	12.4	15.8	16.8
147.5°	0.3	5.5	11.0	14.4	15.8
150°	0.3	4.8	9.6	13.0	14.4
152.5°	0.3	4.1	8.6	11.3	13.4
155°	0.7	3.8	7.5	10.0	12.0
157.5°	0.7	3.1	6.2	8.6	10.3
160°	0.7	2.7	5.5	7.2	9.3
162.5°	0.7	2.4	4.5	6.2	7.9
165°	0.7	2.1	3.8	4.8	6.5
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)