

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: **4ILED-LD5-11-W-UNV-L850-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 (P34173)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4ILED-LD5-11-W-UNV-L850-CD1-U  
Description: Metalux 4' ILED WITH OPEN WIDE DISTRIBUTION

Light Source: (1) 5000 CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

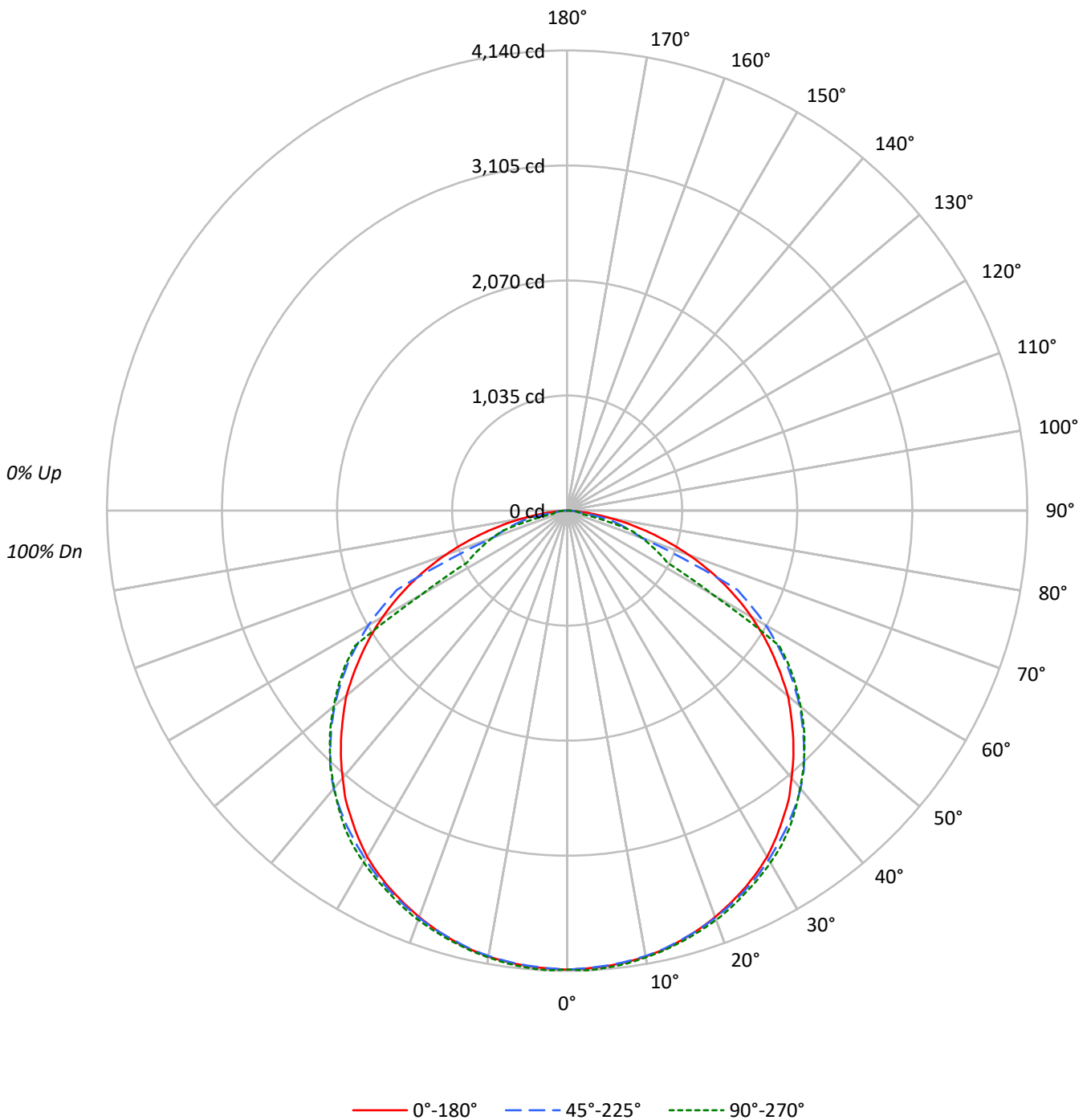
Lumens per Lamp: N/A  
Luminaire Lumens: 11918.0 lumens  
Efficiency: N/A  
Efficacy: 142.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.32 / 1.44  
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')  
CIE Type: Direct

Input Watts (W): 83.9  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	57	48	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	12124	12124	12124
5°	12095	12012	12050
10°	12091	11930	11939
15°	12071	11836	11845
20°	12047	11776	11777
25°	12033	11709	11700
30°	12019	11655	11665
35°	11922	11624	11609
40°	11791	11601	11450
45°	11645	11426	11303
50°	11503	11203	11081
55°	11159	10876	10808
60°	10793	10418	7505
65°	10214	9769	5148
70°	9339	4760	4714
75°	7985	4134	2943
80°	5918	2441	1202
85°	2929	1224	1109



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	391.8	3.3
10°-20°	1131.1	9.5
20°-30°	1744.1	14.6
30°-40°	2159.6	18.1
40°-50°	2298.9	19.3
50°-60°	2121.4	17.8
60°-70°	1358.2	11.4
70°-80°	611.8	5.1
80°-90°	101.0	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3267.0	27.4
0°-40°	5426.6	45.5
0°-60°	9846.9	82.6
0°-90°	11918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11918.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4130	4130	4130	4130	4130	
5°	4114	4120	4110	4122	4128	391
15°	3998	4005	3993	4013	4012	1129
25°	3758	3768	3775	3799	3796	1733
35°	3385	3419	3459	3495	3487	2119
45°	2875	2934	3013	3033	3020	2218
55°	2258	2340	2413	2452	2441	2020
65°	1549	1623	1692	934	914	1530
75°	770	837	493	507	365	818
85°	112	84	76	81	74	163
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4129.9	4129.9	4129.9	4129.9	4129.9
2.5°	4123.3	4131.6	4120.0	4131.6	4139.8
5°	4113.5	4120.0	4110.2	4121.7	4128.3
7.5°	4097.0	4103.6	4092.1	4103.6	4110.2
10°	4074.0	4077.3	4069.1	4080.6	4082.2
12.5°	4041.1	4044.4	4037.8	4049.3	4051.0
15°	3998.3	4004.9	3993.4	4013.1	4011.5
17.5°	3949.0	3955.6	3950.6	3965.4	3967.1
20°	3891.4	3898.0	3899.7	3917.7	3919.4
22.5°	3827.3	3837.2	3838.8	3863.5	3861.8
25°	3758.2	3768.1	3774.7	3799.3	3796.0
27.5°	3682.6	3695.7	3705.6	3730.2	3730.2
30°	3597.0	3615.1	3626.6	3659.5	3657.9
32.5°	3495.1	3529.6	3542.7	3583.9	3580.6
35°	3384.9	3419.4	3458.9	3495.1	3486.8
37.5°	3276.3	3310.8	3365.1	3386.5	3376.6
40°	3141.4	3199.0	3268.1	3276.3	3261.5
42.5°	3013.1	3059.2	3152.9	3157.9	3144.7
45°	2875.0	2934.2	3013.1	3032.9	3019.7
47.5°	2731.9	2782.9	2875.0	2899.7	2889.8
50°	2593.7	2639.8	2730.3	2754.9	2741.8
52.5°	2424.3	2493.4	2570.7	2610.2	2595.4
55°	2258.2	2340.5	2412.8	2452.3	2440.8
57.5°	2092.1	2182.6	2236.8	2291.1	2263.1
60°	1917.8	2006.6	2065.8	2041.1	1519.7
62.5°	1736.8	1822.4	1871.7	1254.9	1018.1
65°	1549.3	1623.3	1692.4	934.2	914.5
67.5°	1358.5	1432.6	1126.6	830.6	812.5
70°	1162.8	1231.9	699.0	723.7	713.8
72.5°	965.5	1031.2	600.3	628.3	615.1
75°	769.7	837.2	493.4	506.6	365.1
77.5°	587.2	577.3	398.0	279.6	125.0
80°	399.7	266.4	222.0	116.8	115.1
82.5°	248.4	179.3	93.7	103.6	102.0
85°	111.8	83.9	75.7	80.6	74.0
87.5°	39.5	41.1	46.1	42.8	39.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)