

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-LD5-14-W-WG-UNV-L835-CD2-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 (P34174)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4ILED-LD5-14-W-WG-UNV-L835-CD2-U
Description: Metalux 4' ILED WITH OPEN WIDE-HEAVY DUTY WIREGUARD DISTRIBUTION

Light Source: (1) 3500 CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

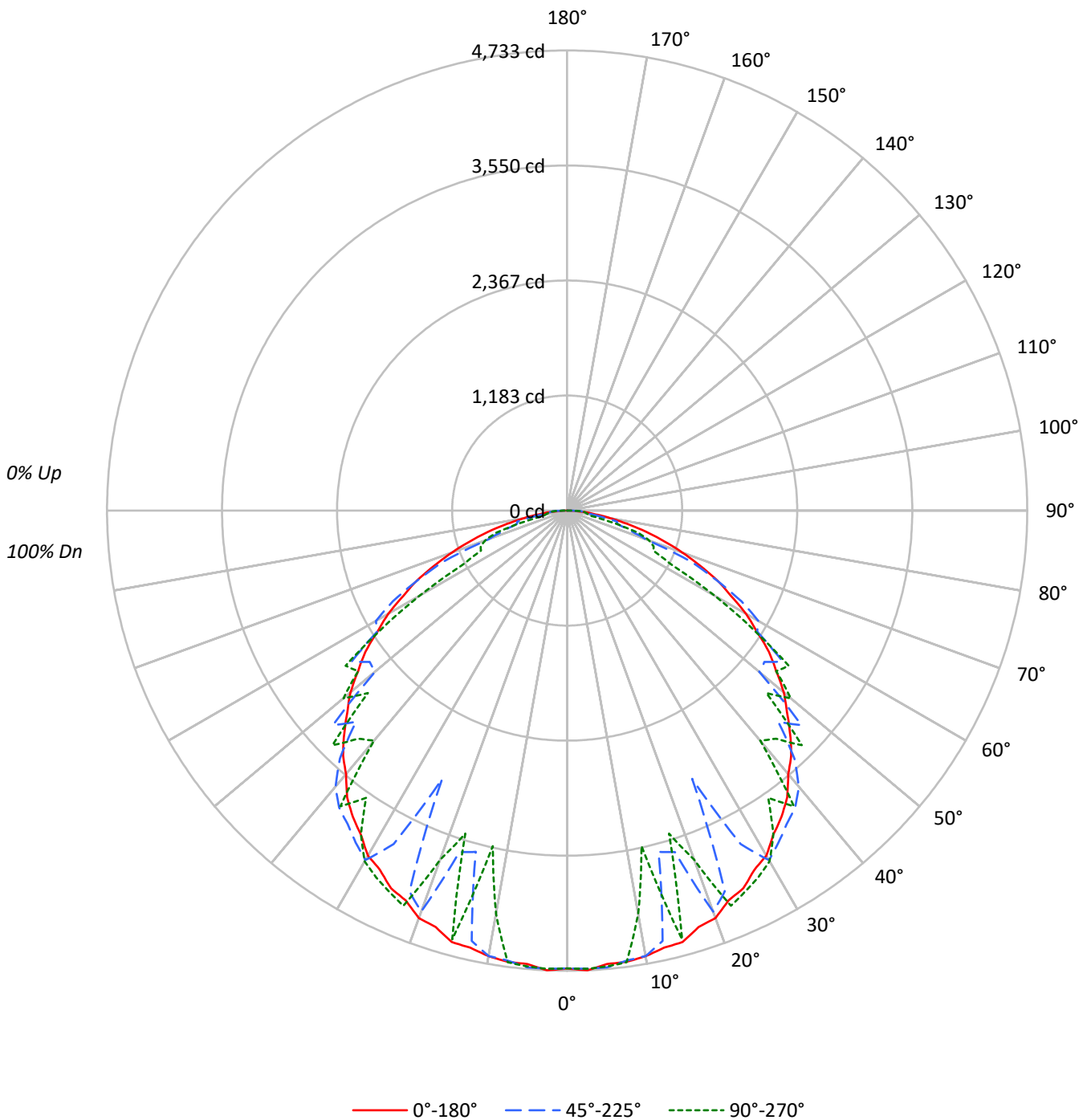
Lumens per Lamp: N/A
Luminaire Lumens: 12947.0 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')
CIE Type: Direct

Input Watts (W): 102
Input Voltage (V):
Input Current (A_{in}): 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



TEST NUMBER: P#
CATALOG NUMBER: 4ILED-LD5-14-W-WG-UNV-L835-CD2-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 4ILED-LD5-14-W-WG-UNV-L835-CD2-U

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	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					100			
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	89	87	85					85			
2	99	91	85	79	97	89	83	78	86	81	76	83	78	75	80	76	73	71					71			
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60					60			
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	57	53	51					51			
5	76	63	54	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44					44			
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38					38			
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34					34			
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30					30			
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27					27			
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13822	13822	13822
5°	13767	13783	13738
10°	13811	13639	12319
15°	13867	10772	13480
20°	13805	13255	11487
25°	13728	9440	13337
30°	13690	13342	13281
35°	13538	13228	12005
40°	13280	13155	10843
45°	13137	11648	12777
50°	12902	10582	12140
55°	12530	12195	12323
60°	11952	11454	8670
65°	11277	9765	5505
70°	10099	5823	5922
75°	8696	4476	4063
80°	6737	3695	2347
85°	4846	2838	2716



TEST NUMBER: P#

CATALOG NUMBER: 4ILED-LD5-14-W-WG-UNV-L835-CD2-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.0	3.4
10°-20°	1190.9	9.2
20°-30°	1846.6	14.3
30°-40°	2367.4	18.3
40°-50°	2424.4	18.7
50°-60°	2298.9	17.8
60°-70°	1472.5	11.4
70°-80°	715.5	5.5
80°-90°	184.8	1.4
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°	3483.4	26.9
0°-40°	5850.8	45.2
0°-60°	10574.2	81.7
0°-90°	12947.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12947.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4708	4708	4708	4708	4708	
5°	4682	4695	4716	4727	4707	447
15°	4593	4593	3634	4274	4565	1290
25°	4288	3704	3043	4354	4327	1971
35°	3844	3868	3936	3834	3606	2401
45°	3244	3249	3072	3092	3413	2500
55°	2536	2615	2705	2609	2783	2253
65°	1710	1671	1692	1099	978	1676
75°	838	936	534	648	504	887
85°	185	162	176	185	181	210
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 4ILED-LD5-14-W-WG-UNV-L835-CD2-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4708.5	4708.5	4708.5	4708.5	4708.5
2.5°	4733.0	4736.8	4716.0	4708.5	4717.9
5°	4682.1	4695.3	4716.0	4727.4	4706.6
7.5°	4680.2	4685.8	4668.8	4731.1	4685.8
10°	4653.7	4685.8	4651.8	4487.6	4212.0
12.5°	4604.6	4610.3	4532.9	3266.1	3534.2
15°	4593.3	4593.3	3634.3	4274.3	4565.0
17.5°	4491.4	4515.9	3683.3	4489.5	3483.2
20°	4459.3	4444.2	4389.4	3179.3	3823.0
22.5°	4338.4	4234.6	4238.4	4417.7	4400.7
25°	4287.5	3704.1	3043.3	4353.6	4327.1
27.5°	4166.6	3105.6	3866.5	4259.2	4253.5
30°	4096.8	3230.2	4151.5	4181.8	4164.8
32.5°	3949.5	3707.9	4047.7	4111.9	3947.6
35°	3843.8	3868.4	3936.3	3834.4	3605.9
37.5°	3717.3	3549.3	3851.4	3496.4	3832.5
40°	3538.0	2765.8	3706.0	3751.3	3088.6
42.5°	3411.5	2707.3	3460.6	2911.2	3181.2
45°	3243.5	3249.1	3071.7	3092.4	3413.4
47.5°	3067.9	3139.6	3268.0	3285.0	2779.0
50°	2909.3	2979.1	2578.9	2784.7	3003.7
52.5°	2711.1	2809.2	2558.1	2875.3	2711.1
55°	2535.5	2614.8	2705.4	2609.1	2782.8
57.5°	2310.8	2437.3	2316.5	2561.9	2261.7
60°	2123.9	2122.0	2271.2	2282.5	1755.8
62.5°	1899.3	1884.1	2020.1	1531.1	1215.8
65°	1710.5	1670.8	1691.6	1098.8	977.9
67.5°	1474.5	1308.3	1393.3	917.5	962.8
70°	1257.4	1249.8	855.2	636.2	896.8
72.5°	1042.1	1134.6	674.0	794.8	775.9
75°	838.2	936.4	534.3	647.6	504.1
77.5°	628.7	679.7	526.7	396.5	245.4
80°	455.0	320.9	336.1	224.7	224.7
82.5°	294.5	264.3	196.3	209.6	198.2
85°	185.0	162.4	175.6	185.0	181.2
87.5°	64.2	111.4	139.7	135.9	124.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)