

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: **8ILED-LD5-14-W-CLWG-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 (P34178)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8ILED-LD5-14-W-CLWG-UNV-L835-CD2-U
Description: Metalux 8' ILED WITH CLEAR ACRYLIC LENS & FRAME-HEAVY DUTY WIREGUARD
DISTRIBUION

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

Summary

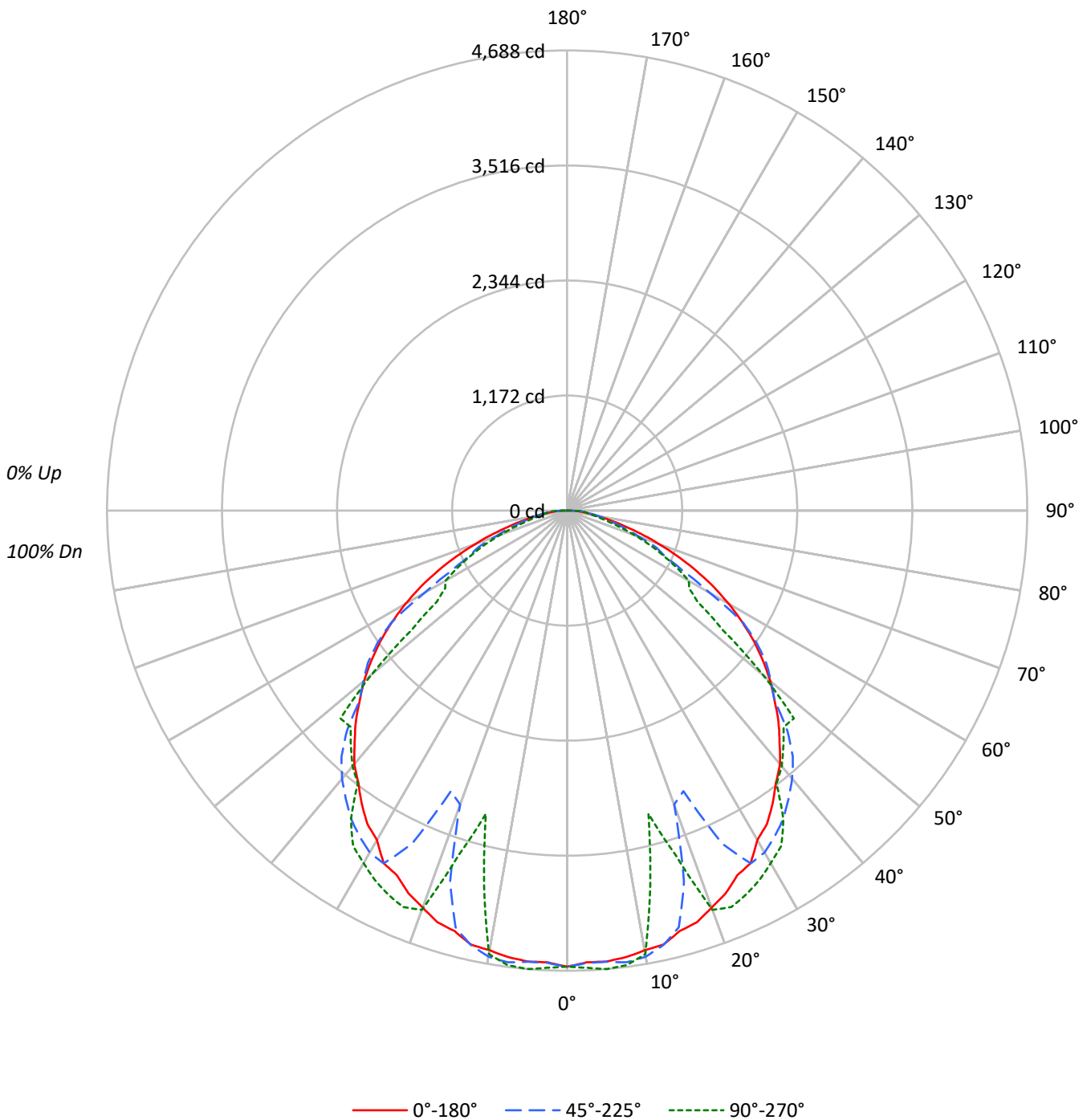
Lumens per Lamp: N/A
Luminaire Lumens: 12032.0 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.32 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 8' x H: 0.1')
CIE Type: Direct

Input Watts (W): 100.8
Input Voltage (V):
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



TEST NUMBER: P#
CATALOG NUMBER: 8ILED-LD5-14-W-CLWG-UNV-L835-CD2-U

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 8ILED-LD5-14-W-CLWG-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	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87					85				
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74					72				
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63					61				
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55					52				
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48					46				
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42					40				
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37					35				
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33					31				
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30					28				
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	38	32	27					26				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6820	6820	6820
5°	6785	6748	6843
10°	6765	6774	6708
15°	6716	6527	4722
20°	6693	4827	6504
25°	6602	5834	6651
30°	6520	6494	6613
35°	6479	6484	6396
40°	6398	6375	5970
45°	6244	6069	5836
50°	6078	5615	5274
55°	5841	5382	3591
60°	5468	4306	3533
65°	4918	3205	3044
70°	4122	2732	2416
75°	3230	2190	1779
80°	2458	1867	1357
85°	2224	1590	1360



TEST NUMBER: P#

CATALOG NUMBER: 8ILED-LD5-14-W-CLWG-UNV-L835-CD2-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.2	3.7
10°-20°	1169.3	9.7
20°-30°	1864.4	15.5
30°-40°	2237.7	18.6
40°-50°	2379.8	19.8
50°-60°	1946.9	16.2
60°-70°	1234.4	10.3
70°-80°	570.3	4.7
80°-90°	188.1	1.6
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
<hr/>		
0°-30°	3474.8	28.9
0°-40°	5712.4	47.5
0°-60°	10039.2	83.4
0°-90°	12032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12032.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4646	4646	4646	4646	4646	
5°	4610	4612	4614	4650	4688	438
15°	4434	4503	4394	3462	3198	1257
25°	4100	4112	3747	4278	4316	1899
35°	3647	2734	3836	3909	3842	2279
45°	3045	3059	3175	3097	3118	2346
55°	2323	2446	2361	1830	1622	2069
65°	1454	1479	1093	1100	1081	1434
75°	596	566	510	472	441	653
85°	151	164	187	187	182	163
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 8ILED-LD5-14-W-CLWG-UNV-L835-CD2-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4646.4	4646.4	4646.4	4646.4	4646.4
2.5°	4606.3	4614.0	4612.0	4646.4	4661.7
5°	4610.1	4612.0	4614.0	4650.3	4688.5
7.5°	4589.1	4629.2	4642.6	4629.2	4669.4
10°	4549.0	4585.3	4614.0	4573.8	4587.2
12.5°	4528.0	4581.5	4533.7	4336.9	3909.0
15°	4434.4	4503.1	4394.2	3461.9	3198.2
17.5°	4396.2	4442.0	3960.5	3183.0	3681.6
20°	4304.4	4367.5	3186.8	4092.4	4329.3
22.5°	4220.4	4266.2	3093.2	4304.4	4371.3
25°	4100.0	4111.5	3746.6	4277.7	4315.9
27.5°	4048.4	3876.5	4052.3	4222.3	4243.3
30°	3874.6	3521.1	4021.7	4145.9	4147.8
32.5°	3786.7	3066.4	3935.7	4035.1	4056.1
35°	3647.2	2734.0	3836.4	3909.0	3842.1
37.5°	3494.4	2686.2	3704.5	3666.3	3503.9
40°	3374.0	2930.8	3567.0	3330.1	3400.8
42.5°	3204.0	3079.8	3402.7	3247.9	3261.3
45°	3045.4	3058.8	3175.3	3097.0	3118.0
47.5°	2865.8	2953.7	2863.9	2967.1	3133.3
50°	2701.5	2795.1	2711.1	2881.1	2609.8
52.5°	2514.3	2630.8	2560.1	2317.5	2002.2
55°	2323.2	2445.5	2361.4	1830.3	1622.0
57.5°	2115.0	2216.2	2128.3	1499.8	1473.0
60°	1902.9	1983.1	1685.1	1366.0	1431.0
62.5°	1679.4	1729.0	1329.7	1259.0	1255.2
65°	1453.9	1478.8	1092.8	1100.5	1081.4
67.5°	1218.9	1230.4	983.9	932.3	903.7
70°	993.5	985.8	787.1	758.5	731.7
72.5°	787.1	750.8	640.0	601.8	569.3
75°	596.1	565.5	510.1	471.9	441.3
77.5°	443.2	426.1	399.3	403.1	338.2
80°	311.4	313.3	328.6	278.9	259.8
82.5°	215.9	227.4	235.0	231.2	225.4
85°	150.9	164.3	187.2	187.2	181.5
87.5°	76.4	112.7	150.9	160.5	156.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)