

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-WG-UNV-L835-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 (P34174)
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-WG-UNV-L835-CD1-U
Description: Metalux 4' ILED WITH OPEN WIDE-HEAVY DUTY WIREGUARD DISTRIBUTION

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

Summary

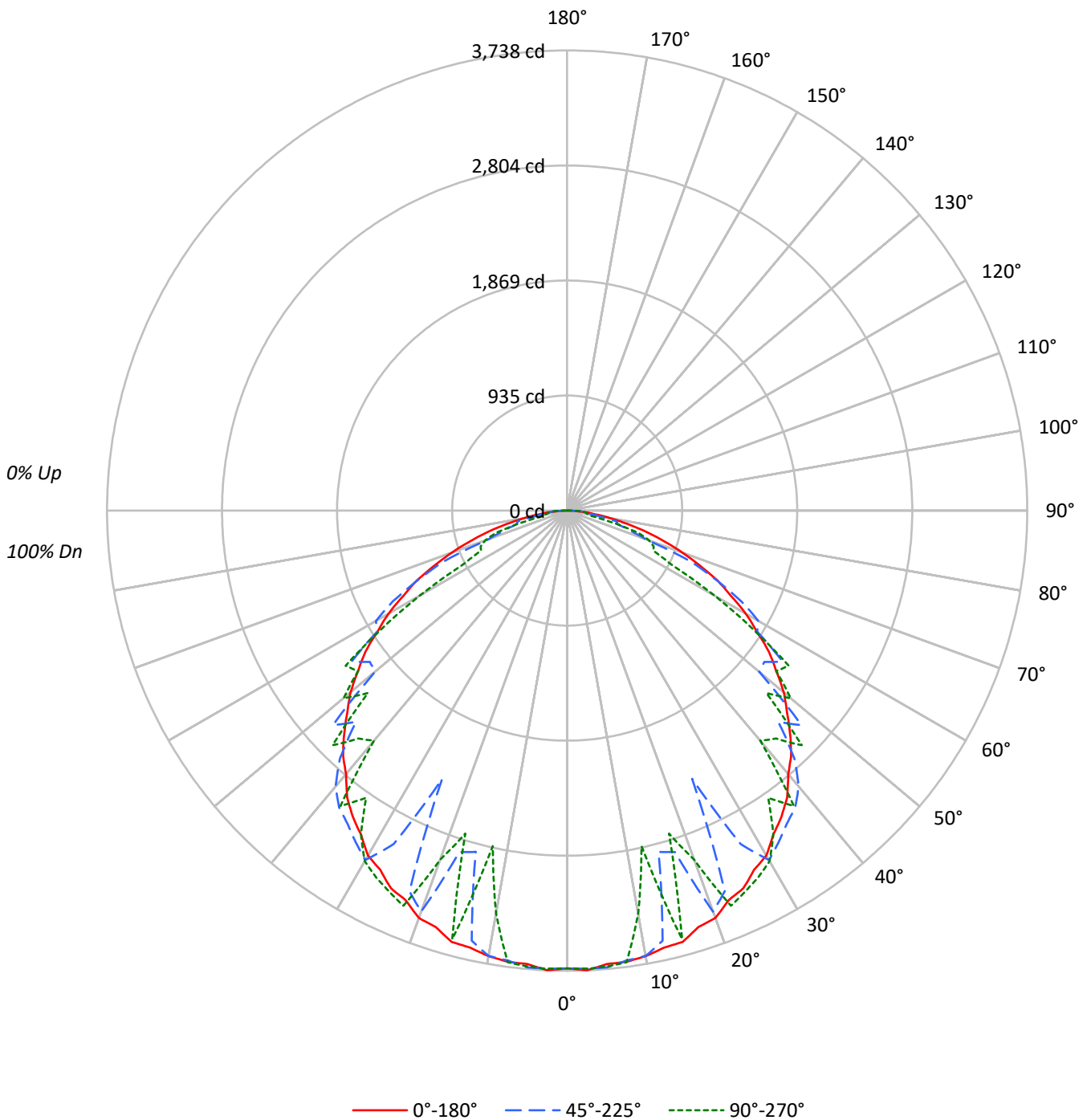
Lumens per Lamp: N/A
Luminaire Lumens: 10224.0 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.92' x L: 4' x H: 0.1')
CIE Type: Direct

Input Watts (W): 83.9
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



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10915	10915	10915
5°	10872	10884	10849
10°	10907	10770	9728
15°	10951	8506	10645
20°	10902	10467	9071
25°	10840	7455	10532
30°	10810	10536	10488
35°	10691	10446	9480
40°	10487	10389	8563
45°	10374	9198	10090
50°	10189	8356	9587
55°	9894	9630	9731
60°	9439	9045	6847
65°	8905	7711	4348
70°	7974	4599	4677
75°	6867	3535	3209
80°	5320	2918	1853
85°	3827	2240	2145



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.2	3.4
10°-20°	940.4	9.2
20°-30°	1458.2	14.3
30°-40°	1869.5	18.3
40°-50°	1914.5	18.7
50°-60°	1815.4	17.8
60°-70°	1162.8	11.4
70°-80°	565.1	5.5
80°-90°	145.9	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°	2750.8	26.9
0°-40°	4620.3	45.2
0°-60°	8350.2	81.7
0°-90°	10224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10224.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3718	3718	3718	3718	3718	
5°	3697	3708	3724	3733	3717	353
15°	3627	3627	2870	3375	3605	1019
25°	3386	2925	2403	3438	3417	1556
35°	3035	3055	3108	3028	2848	1896
45°	2561	2566	2426	2442	2696	1974
55°	2002	2065	2136	2060	2198	1779
65°	1351	1319	1336	868	772	1323
75°	662	740	422	511	398	700
85°	146	128	139	146	143	166
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3718.2	3718.2	3718.2	3718.2	3718.2
2.5°	3737.6	3740.6	3724.2	3718.2	3725.7
5°	3697.3	3707.8	3724.2	3733.1	3716.7
7.5°	3695.8	3700.3	3686.9	3736.1	3700.3
10°	3675.0	3700.3	3673.5	3543.8	3326.1
12.5°	3636.2	3640.7	3579.5	2579.2	2790.9
15°	3627.3	3627.3	2869.9	3375.3	3604.9
17.5°	3546.7	3566.1	2908.7	3545.3	2750.6
20°	3521.4	3509.5	3466.2	2510.6	3019.0
22.5°	3426.0	3344.0	3347.0	3488.6	3475.2
25°	3385.7	2925.1	2403.3	3437.9	3417.0
27.5°	3290.3	2452.5	3053.3	3363.4	3358.9
30°	3235.2	2550.9	3278.4	3302.2	3288.8
32.5°	3118.9	2928.0	3196.4	3247.1	3117.4
35°	3035.4	3054.8	3108.4	3027.9	2847.5
37.5°	2935.5	2802.8	3041.3	2761.1	3026.4
40°	2793.9	2184.1	2926.6	2962.3	2439.0
42.5°	2694.0	2137.9	2732.7	2298.9	2512.1
45°	2561.3	2565.8	2425.6	2442.0	2695.5
47.5°	2422.6	2479.3	2580.7	2594.1	2194.5
50°	2297.4	2352.6	2036.5	2199.0	2372.0
52.5°	2140.9	2218.4	2020.1	2270.6	2140.9
55°	2002.2	2064.8	2136.4	2060.4	2197.5
57.5°	1824.8	1924.7	1829.3	2023.1	1786.0
60°	1677.2	1675.7	1793.5	1802.4	1386.5
62.5°	1499.8	1487.9	1595.2	1209.1	960.1
65°	1350.7	1319.4	1335.8	867.7	772.3
67.5°	1164.4	1033.2	1100.3	724.6	760.3
70°	992.9	986.9	675.4	502.4	708.2
72.5°	823.0	896.0	532.2	627.7	612.7
75°	661.9	739.5	421.9	511.4	398.1
77.5°	496.5	536.7	415.9	313.1	193.8
80°	359.3	253.4	265.4	177.4	177.4
82.5°	232.6	208.7	155.0	165.5	156.5
85°	146.1	128.2	138.6	146.1	143.1
87.5°	50.7	88.0	110.3	107.3	98.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)