

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: P730271

Luminaire Tested: **HBLED-LD5-12HE-W-CL-WG-UNV-L835**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-CL-WG-UNV-L835
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10753.0 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

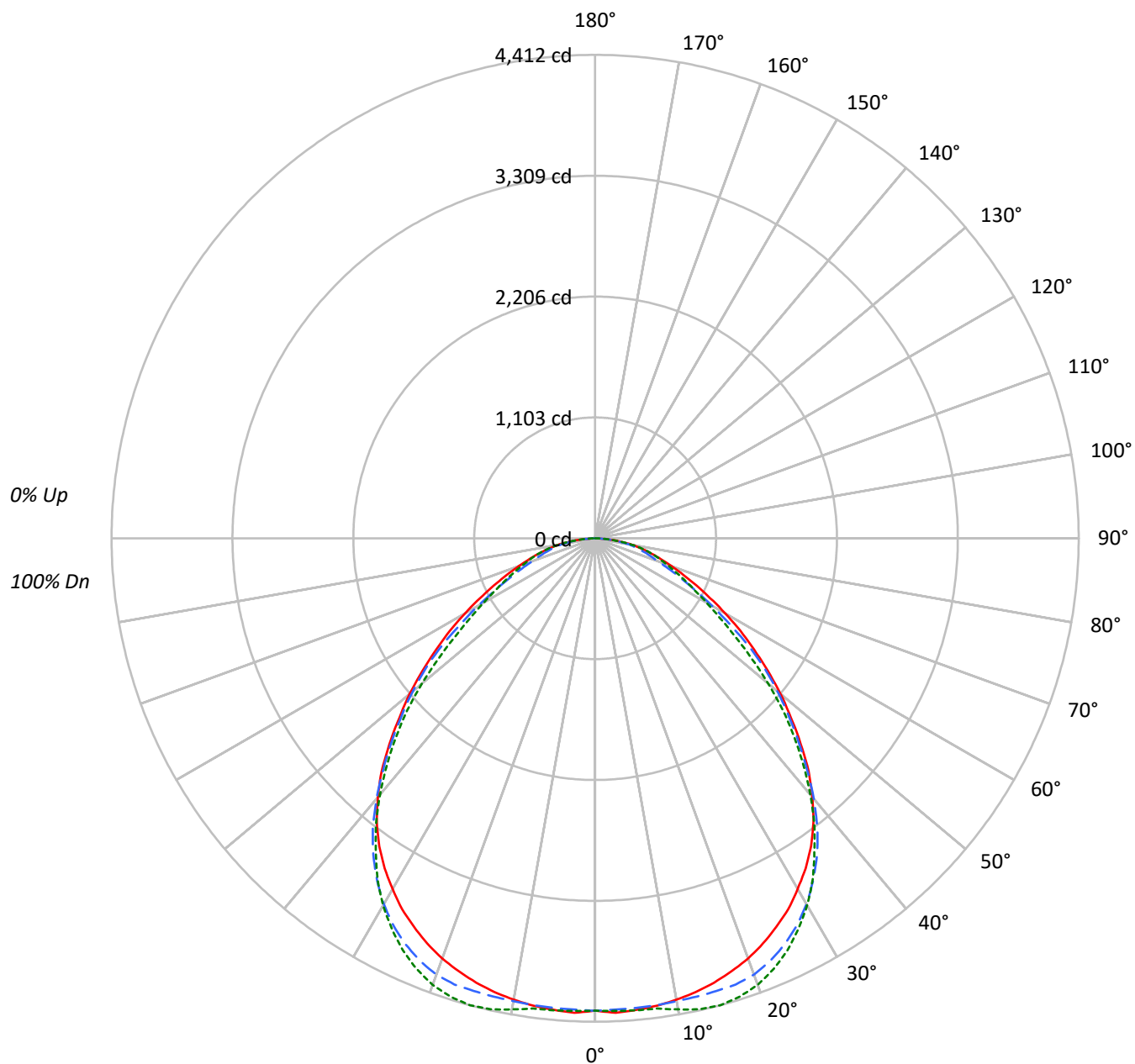
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	60	54	50
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6962	6962	6962
5°	7003	6974	7008
10°	7009	7032	7158
15°	7017	7150	7374
20°	7013	7280	7450
25°	6970	7287	7394
30°	6890	7190	7213
35°	6767	6957	6874
40°	6500	6540	6436
45°	6056	5993	5871
50°	5545	5456	5176
55°	4981	4796	4376
60°	4417	3968	3778
65°	3892	3297	3429
70°	3481	2861	3265
75°	3261	2782	3303
80°	3174	2813	3144
85°	2534	2225	2306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	410.7	3.8
10°-20°	1209.8	11.3
20°-30°	1861.2	17.3
30°-40°	2172.1	20.2
40°-50°	2018.4	18.8
50°-60°	1496.1	13.9
60°-70°	914.6	8.5
70°-80°	521.0	4.8
80°-90°	149.0	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°	3481.7	32.4
0°-40°	5653.8	52.6
0°-60°	9168.4	85.3
0°-90°	10753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10753.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4312	4312	4312	4312	4312	
5°	4321	4300	4303	4299	4324	411
15°	4198	4196	4277	4362	4412	1185
25°	3912	3942	4090	4125	4150	1802
35°	3433	3460	3530	3501	3488	2139
45°	2652	2668	2625	2583	2571	2044
55°	1769	1725	1704	1582	1555	1588
65°	1019	925	863	886	898	1019
75°	523	490	446	508	529	559
85°	137	133	120	124	124	158
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4311.7	4311.7	4311.7	4311.7	4311.7
2.5°	4335.0	4310.5	4306.1	4296.1	4318.3
5°	4320.6	4300.5	4302.7	4299.4	4323.9
7.5°	4303.8	4289.4	4298.3	4297.2	4329.4
10°	4275.0	4267.1	4289.4	4313.9	4366.1
12.5°	4242.7	4234.9	4283.9	4346.1	4402.8
15°	4198.2	4196.0	4277.2	4361.7	4411.7
17.5°	4142.6	4145.9	4269.4	4341.7	4386.1
20°	4081.4	4087.0	4237.1	4296.1	4336.1
22.5°	4002.5	4021.4	4174.8	4223.8	4254.9
25°	3912.4	3942.4	4090.3	4124.8	4150.4
27.5°	3815.6	3845.7	3985.8	4003.6	4018.1
30°	3695.5	3737.8	3856.8	3859.0	3869.0
32.5°	3573.2	3611.0	3702.2	3692.2	3694.4
35°	3433.1	3459.8	3529.8	3500.9	3487.6
37.5°	3271.8	3286.3	3330.7	3287.4	3285.1
40°	3083.9	3102.8	3102.8	3042.7	3053.8
42.5°	2883.7	2890.3	2862.6	2805.8	2814.7
45°	2652.4	2667.9	2624.6	2583.4	2571.2
47.5°	2423.3	2438.8	2393.2	2345.4	2324.3
50°	2207.5	2199.7	2172.0	2090.8	2060.7
52.5°	1984.0	1959.5	1948.4	1829.4	1794.9
55°	1769.4	1724.9	1703.8	1582.5	1554.7
57.5°	1570.3	1490.2	1450.2	1355.7	1344.5
60°	1367.9	1277.8	1228.9	1167.7	1169.9
62.5°	1184.4	1089.8	1030.9	1013.2	1020.9
65°	1018.7	925.3	863.0	886.3	897.5
67.5°	868.6	791.8	721.8	776.2	787.4
70°	737.3	676.2	606.1	686.2	691.7
72.5°	628.3	578.3	519.3	595.0	607.2
75°	522.7	490.5	445.9	508.2	529.4
77.5°	430.4	404.8	379.2	417.1	440.4
80°	341.4	315.9	302.5	322.5	338.1
82.5°	241.3	224.7	211.3	225.8	233.6
85°	136.8	133.4	120.1	124.5	124.5
87.5°	31.1	35.6	40.0	36.7	31.1
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)