

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: P730294

Luminaire Tested: **HBLED-LD5-12HE-W-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33336)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-WG-UNV-L750
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND WIREGUARD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12672.0 lumens
Efficiency: N/A
Efficacy: 174.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.31 / 1.41
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

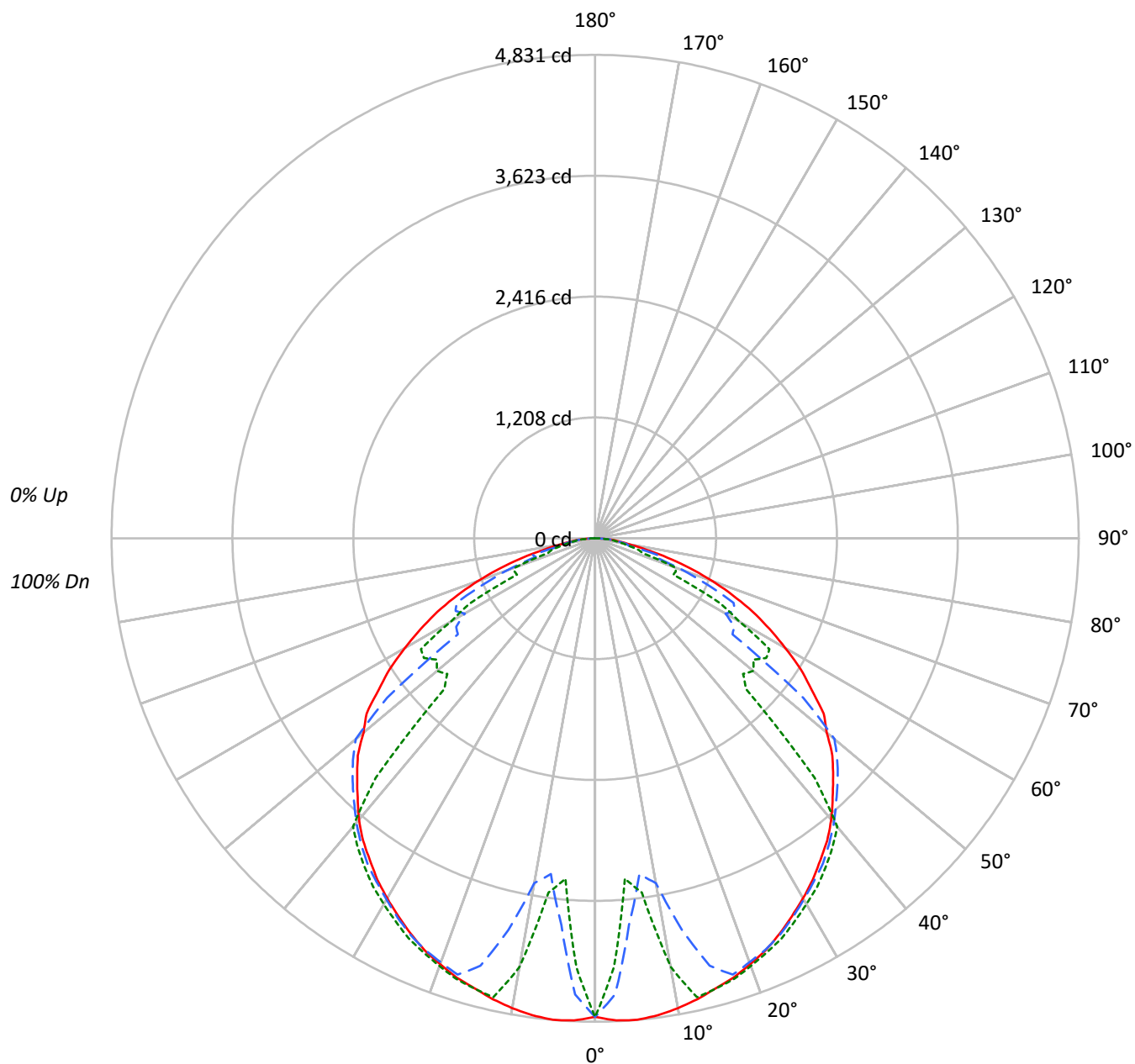
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7723	7723	7723
5°	7830	6291	5532
10°	7817	5737	7135
15°	7782	7394	7789
20°	7782	7747	7816
25°	7768	7786	7857
30°	7746	7771	7872
35°	7734	7819	7911
40°	7735	7819	7931
45°	7674	7824	4862
50°	7587	7840	5182
55°	7427	4714	5873
60°	7085	4859	5378
65°	6638	5834	3291
70°	5862	4420	4034
75°	4671	4017	2797
80°	3217	2904	2404
85°	3083	2681	2544



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.5	3.0
10°-20°	1198.3	9.5
20°-30°	1971.5	15.6
30°-40°	2478.9	19.6
40°-50°	2431.1	19.2
50°-60°	2014.3	15.9
60°-70°	1420.7	11.2
70°-80°	619.8	4.9
80°-90°	154.9	1.2
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°	3552.2	28.0
0°-40°	6031.1	47.6
0°-60°	10476.5	82.7
0°-90°	12672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12672.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4783	4783	4783	4783	4783	
5°	4831	4497	3881	3519	3413	459
15°	4656	3233	4424	4674	4660	1317
25°	4361	3990	4370	4400	4410	2010
35°	3924	3921	3967	3993	4013	2458
45°	3361	3371	3427	3035	2129	2594
55°	2638	2725	1675	1904	2086	2361
65°	1738	1840	1527	1175	861	1708
75°	749	734	644	421	448	803
85°	166	148	145	138	137	173
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4783.3	4783.3	4783.3	4783.3	4783.3
2.5°	4822.7	4722.6	4563.6	4363.4	4292.5
5°	4831.3	4496.7	3881.3	3519.3	3413.4
7.5°	4806.7	4086.6	3383.7	3459.7	3571.9
10°	4767.8	3726.3	3499.2	4116.9	4352.0
12.5°	4718.1	3406.0	4008.8	4650.6	4697.4
15°	4655.7	3233.3	4423.5	4674.0	4659.7
17.5°	4603.1	3334.5	4572.2	4627.1	4616.8
20°	4529.3	3536.4	4508.7	4552.8	4548.8
22.5°	4455.0	3775.5	4448.7	4480.1	4480.1
25°	4360.6	3990.0	4370.3	4399.5	4410.4
27.5°	4257.0	4113.5	4272.5	4296.5	4316.0
30°	4154.7	4131.3	4168.4	4199.3	4222.2
32.5°	4046.6	4037.5	4066.6	4099.2	4128.4
35°	3923.6	3921.3	3967.1	3993.4	4013.4
37.5°	3808.1	3800.1	3842.4	3879.0	3894.4
40°	3669.7	3669.7	3709.7	3746.9	3762.9
42.5°	3511.8	3534.1	3565.0	3603.3	3245.3
45°	3360.8	3371.1	3426.6	3034.8	2129.4
47.5°	3215.5	3228.7	3281.3	1950.9	2004.2
50°	3020.5	3080.0	3121.2	1945.2	2063.1
52.5°	2878.1	2903.8	2620.1	1925.8	1992.1
55°	2638.5	2724.8	1674.7	1904.1	2086.5
57.5°	2433.7	2496.6	1646.7	1950.9	2064.2
60°	2194.0	2290.1	1504.8	1882.3	1665.5
62.5°	1964.1	2055.6	1571.2	1481.4	1410.4
65°	1737.6	1840.0	1527.1	1174.8	861.4
67.5°	1489.4	1393.9	1218.3	827.6	871.1
70°	1241.7	973.5	936.3	925.4	854.5
72.5°	987.2	710.4	621.7	694.4	497.0
75°	748.7	733.8	644.0	421.0	448.4
77.5°	519.3	529.6	344.9	410.6	340.9
80°	346.0	299.7	312.3	261.9	258.5
82.5°	239.7	244.8	205.3	199.0	201.9
85°	166.4	148.1	144.7	138.4	137.3
87.5°	55.5	64.7	60.1	54.3	57.8
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)