

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: P730720

Luminaire Tested: **HBLED-LD5-24HE-W-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2304-003-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-24HE-W-UNV-L750
Description: 24000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26364.0 lumens
Efficiency: N/A
Efficacy: 184.4 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.31 / 1.43
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

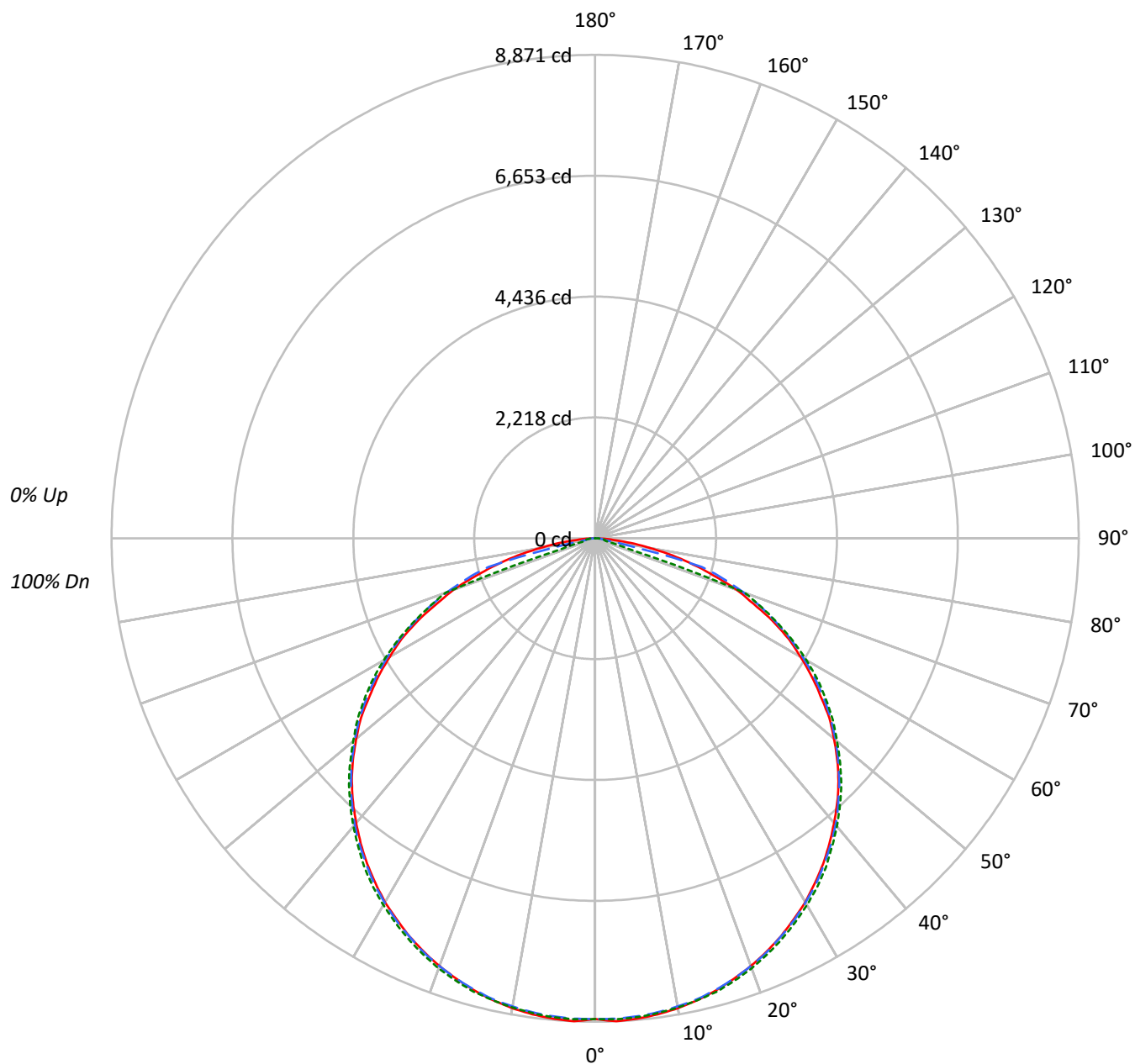
Input Watts (W): 143
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
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	88	87	85		
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70		
3	90	80	72	65	88	78	71	64	75	69	63	72	67	62	70	65	61	59		
4	82	70	62	55	80	69	61	54	67	59	54	64	58	53	62	57	52	50		
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	56	50	45	43		
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	37		
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33		
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29		
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26		
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14244	14244	14244
5°	14346	14273	14298
10°	14354	14303	14332
15°	14352	14333	14398
20°	14351	14355	14429
25°	14358	14365	14453
30°	14374	14392	14487
35°	14371	14418	14538
40°	14373	14465	14543
45°	14414	14468	14584
50°	14370	14454	14548
55°	14212	14411	14566
60°	14050	14279	14457
65°	13740	14025	14131
70°	13044	13601	13768
75°	11635	12616	1520
80°	9356	1571	1662
85°	6226	2040	2075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	837.9	3.2
10°-20°	2421.1	9.2
20°-30°	3719.9	14.1
30°-40°	4579.4	17.4
40°-50°	4882.1	18.5
50°-60°	4563.8	17.3
60°-70°	3612.8	13.7
70°-80°	1537.1	5.8
80°-90°	209.9	0.8
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°	6979.0	26.5
0°-40°	11558.4	43.8
0°-60°	21004.2	79.7
0°-90°	26364.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	26364.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8822	8822	8822	8822	8822	
5°	8852	8812	8806	8771	8822	842
15°	8586	8571	8574	8551	8614	2424
25°	8060	8050	8064	8060	8113	3716
35°	7291	7279	7315	7340	7376	4562
45°	6312	6277	6336	6362	6387	4864
55°	5049	5064	5120	5137	5175	4521
65°	3596	3628	3671	3699	3699	3538
75°	1865	1946	2022	330	244	1973
85°	336	100	110	114	112	438
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8822.1	8822.1	8822.1	8822.1	8822.1
2.5°	8871.3	8830.0	8822.1	8786.8	8833.9
5°	8851.6	8812.3	8806.4	8771.1	8822.1
7.5°	8810.4	8778.9	8775.0	8737.6	8788.7
10°	8755.3	8725.8	8723.9	8690.5	8741.6
12.5°	8680.6	8655.1	8663.0	8629.6	8680.6
15°	8586.3	8570.6	8574.5	8550.9	8613.8
17.5°	8472.3	8464.5	8472.3	8454.6	8511.6
20°	8352.4	8342.6	8354.4	8344.6	8397.6
22.5°	8212.9	8201.1	8224.7	8210.9	8260.1
25°	8059.6	8049.8	8063.5	8059.6	8112.7
27.5°	7884.7	7874.9	7904.4	7906.3	7947.6
30°	7709.8	7696.0	7719.6	7729.5	7770.7
32.5°	7501.5	7497.5	7532.9	7540.8	7584.0
35°	7291.2	7279.4	7314.8	7340.3	7375.7
37.5°	7061.3	7059.3	7096.6	7118.2	7135.9
40°	6819.5	6809.7	6862.8	6884.4	6900.1
42.5°	6573.9	6552.2	6603.3	6630.9	6648.5
45°	6312.5	6277.1	6336.1	6361.6	6387.2
47.5°	6025.6	5994.1	6051.1	6078.6	6096.3
50°	5720.9	5691.5	5754.3	5777.9	5791.7
52.5°	5414.4	5384.9	5451.7	5471.3	5504.8
55°	5048.8	5064.5	5119.6	5137.2	5174.6
57.5°	4710.8	4724.5	4777.6	4799.2	4842.5
60°	4351.1	4372.8	4421.9	4443.5	4476.9
62.5°	4003.3	4005.2	4064.2	4074.0	4099.6
65°	3596.5	3627.9	3671.1	3698.7	3698.7
67.5°	3142.5	3219.1	3293.8	3287.9	3303.6
70°	2763.2	2792.7	2881.1	2894.9	2916.5
72.5°	2287.6	2364.2	2462.5	1839.5	625.0
75°	1865.1	1945.6	2022.3	330.2	243.7
77.5°	1448.4	1511.3	672.1	188.7	184.7
80°	1006.2	1106.5	169.0	172.9	178.8
82.5°	662.3	540.5	139.5	153.3	155.3
85°	336.1	100.2	110.1	114.0	112.0
87.5°	110.1	60.9	62.9	64.9	66.8
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)