

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: P730252

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-A-UNV-L750
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11761.0 lumens
Efficiency: N/A
Efficacy: 161.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

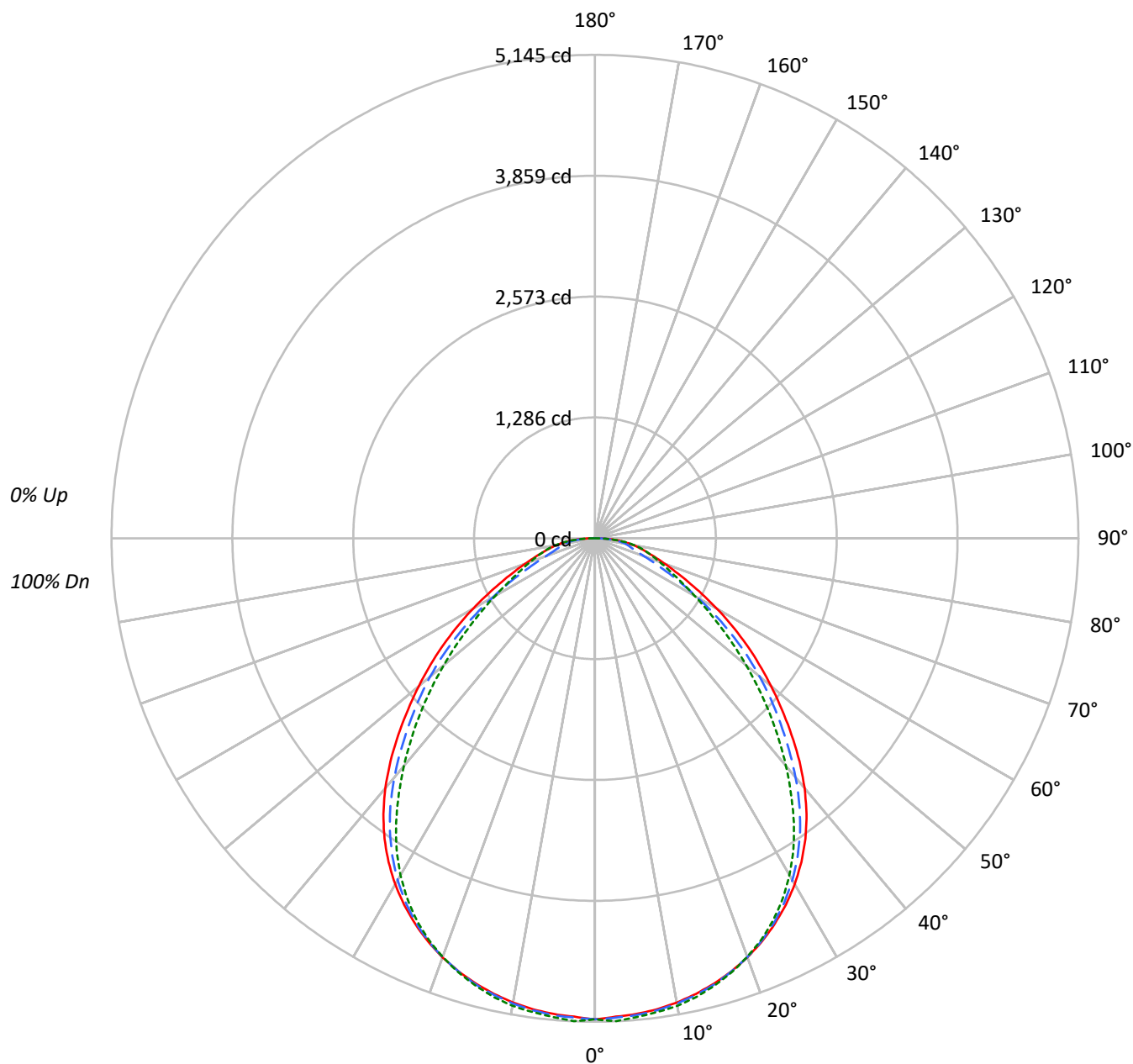
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8266	8266	8266
5°	8237	8256	8290
10°	8225	8244	8286
15°	8198	8214	8234
20°	8155	8149	8143
25°	8066	8039	7993
30°	7927	7831	7717
35°	7697	7503	7272
40°	7314	7000	6664
45°	6757	6380	5993
50°	6142	5745	5272
55°	5523	4974	4557
60°	4833	4065	3955
65°	4167	3196	3569
70°	3715	2609	3440
75°	3559	2546	3595
80°	3849	3012	4005
85°	4322	3625	4365



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	485.2	4.1
10°-20°	1388.7	11.8
20°-30°	2077.3	17.7
30°-40°	2370.1	20.2
40°-50°	2157.4	18.3
50°-60°	1584.2	13.5
60°-70°	935.4	8.0
70°-80°	536.1	4.6
80°-90°	226.7	1.9
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°	3951.2	33.6
0°-40°	6321.3	53.7
0°-60°	10062.9	85.6
0°-90°	11761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11761.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5120	5120	5120	5120	5120	
5°	5082	5114	5094	5114	5115	483
15°	4904	4932	4914	4932	4926	1384
25°	4528	4544	4512	4511	4487	2084
35°	3905	3886	3807	3742	3690	2433
45°	2959	2942	2794	2669	2625	2281
55°	1962	1871	1767	1639	1619	1755
65°	1091	952	837	895	934	1098
75°	570	489	408	532	576	615
85°	233	215	196	231	236	244
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5119.7	5119.7	5119.7	5119.7	5119.7
2.5°	5096.1	5125.5	5107.0	5127.3	5144.6
5°	5082.2	5114.0	5093.8	5114.0	5114.6
7.5°	5056.8	5086.3	5066.6	5088.6	5086.3
10°	5017.0	5046.4	5028.5	5052.2	5053.9
12.5°	4966.2	4994.5	4976.0	5003.1	4998.5
15°	4904.4	4931.5	4914.2	4931.5	4925.8
17.5°	4831.6	4856.5	4834.0	4853.0	4843.2
20°	4746.2	4767.0	4742.7	4760.6	4739.3
22.5°	4644.0	4662.5	4637.1	4646.9	4624.9
25°	4527.9	4544.1	4512.3	4510.6	4486.9
27.5°	4398.6	4407.3	4366.8	4353.0	4325.8
30°	4252.0	4254.2	4200.5	4174.6	4139.3
32.5°	4087.4	4081.6	4012.9	3974.2	3930.9
35°	3904.9	3885.9	3806.8	3741.5	3689.6
37.5°	3698.8	3668.8	3574.1	3477.7	3428.0
40°	3470.1	3434.9	3321.2	3201.6	3161.8
42.5°	3221.3	3191.3	3057.3	2932.6	2893.3
45°	2959.2	2941.8	2794.0	2668.7	2624.8
47.5°	2697.0	2684.3	2540.0	2412.4	2359.2
50°	2445.3	2417.5	2287.1	2147.3	2098.9
52.5°	2201.0	2144.4	2029.6	1886.3	1850.6
55°	1962.0	1871.4	1766.9	1638.7	1619.0
57.5°	1725.2	1608.0	1506.4	1410.6	1410.0
60°	1496.6	1362.7	1258.7	1208.5	1224.7
62.5°	1282.4	1145.0	1032.4	1035.8	1065.3
65°	1090.7	952.1	836.6	895.0	934.2
67.5°	926.2	793.9	676.7	785.3	822.8
70°	787.0	667.5	552.6	688.2	728.7
72.5°	669.8	569.3	466.0	607.4	648.4
75°	570.5	489.0	408.2	532.4	576.2
77.5°	489.6	417.5	366.1	460.7	506.4
80°	414.0	350.5	323.9	391.5	430.7
82.5°	327.9	284.1	268.5	318.1	338.4
85°	233.3	215.4	195.7	231.0	235.6
87.5°	128.2	132.8	109.7	132.8	133.4
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)