

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: P730256

Luminaire Tested: **HBLED-LD5-12HE-W-AI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730256
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12HE-W-AI-UNV-L735
Description: 12000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11185.0 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

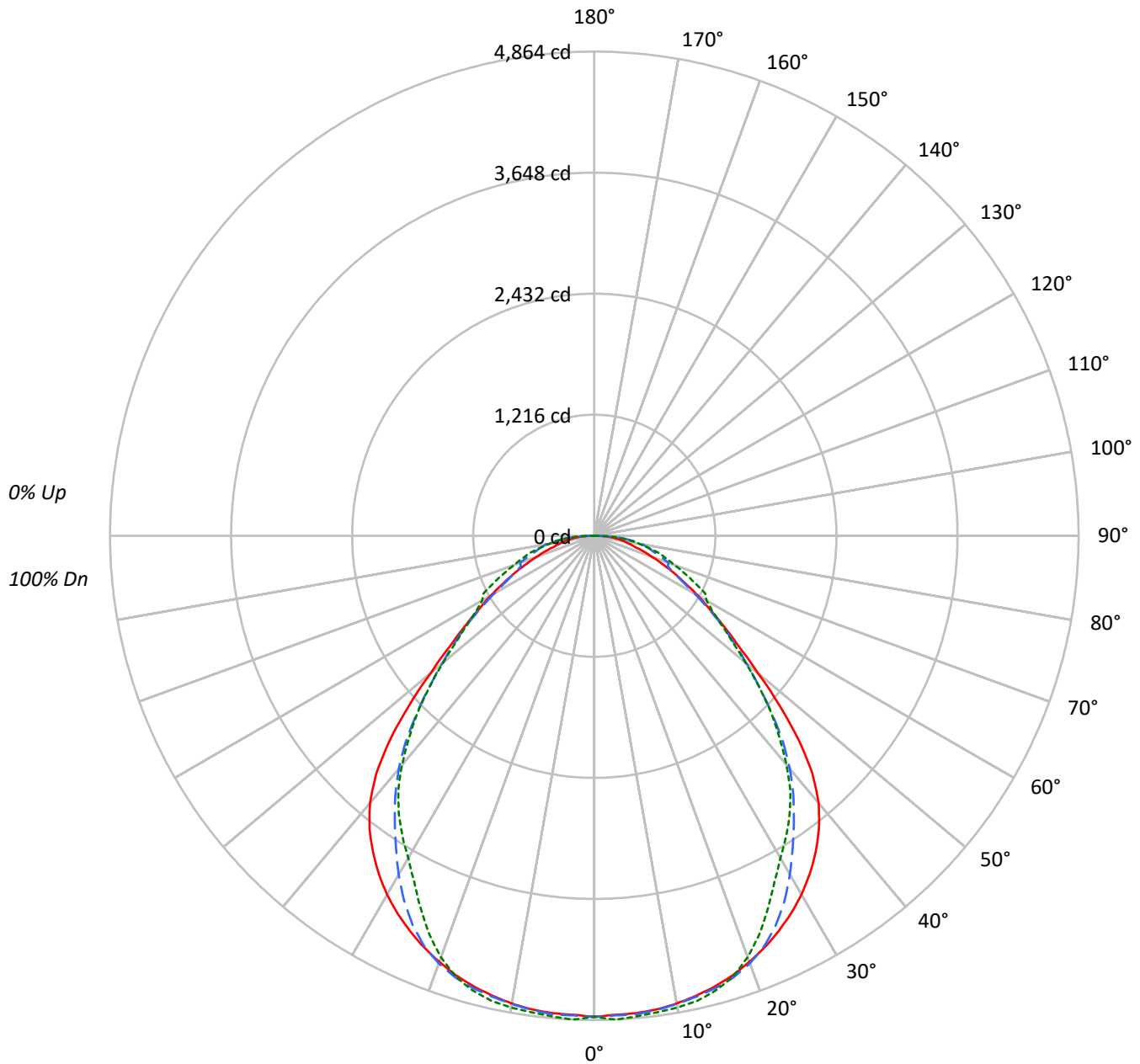
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7802	7802	7802
5°	7802	7819	7857
10°	7821	7831	7888
15°	7833	7862	7901
20°	7825	7854	7738
25°	7805	7688	7354
30°	7759	7326	6969
35°	7643	6885	6742
40°	7387	6438	6332
45°	6640	5749	5727
50°	5385	5007	4973
55°	4472	4389	4387
60°	3871	3758	4202
65°	3355	3334	4235
70°	2893	3740	4037
75°	2595	3833	4209
80°	2696	4512	4222
85°	3060	5200	4826



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.1	4.1
10°-20°	1328.8	11.9
20°-30°	1973.5	17.6
30°-40°	2240.5	20.0
40°-50°	2002.9	17.9
50°-60°	1384.8	12.4
60°-70°	913.8	8.2
70°-80°	616.5	5.5
80°-90°	264.0	2.4
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°	3762.4	33.6
0°-40°	6002.9	53.7
0°-60°	9390.7	84.0
0°-90°	11185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11185.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4832	4832	4832	4832	4832	
5°	4814	4843	4824	4844	4848	458
15°	4686	4709	4704	4730	4727	1323
25°	4381	4423	4316	4187	4128	2019
35°	3877	3796	3493	3442	3420	2418
45°	2908	2662	2518	2537	2508	2211
55°	1588	1450	1559	1537	1558	1443
65°	878	780	873	1020	1109	876
75°	416	523	614	657	675	454
85°	165	230	281	282	260	172
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4832.3	4832.3	4832.3	4832.3	4832.3
2.5°	4815.9	4846.0	4823.5	4844.3	4864.5
5°	4813.6	4843.2	4824.0	4843.7	4847.6
7.5°	4800.0	4827.3	4804.9	4824.0	4828.4
10°	4770.4	4802.7	4776.4	4806.0	4811.5
12.5°	4732.1	4765.0	4742.0	4782.4	4784.7
15°	4686.2	4708.6	4703.7	4729.9	4726.6
17.5°	4628.1	4653.9	4650.1	4656.6	4641.3
20°	4554.3	4583.3	4571.2	4541.1	4503.4
22.5°	4474.9	4509.9	4462.4	4386.3	4333.2
25°	4381.4	4423.0	4315.7	4187.1	4128.0
27.5°	4277.9	4315.2	4136.8	3979.2	3917.9
30°	4162.0	4177.8	3929.4	3779.4	3737.9
32.5°	4027.9	4004.9	3707.8	3608.7	3584.7
35°	3877.4	3795.9	3493.3	3442.4	3420.5
37.5°	3707.8	3558.4	3281.5	3258.0	3235.0
40°	3504.8	3284.2	3054.4	3039.1	3004.1
42.5°	3242.7	2986.0	2802.2	2784.1	2752.9
45°	2907.8	2661.5	2517.6	2536.8	2508.3
47.5°	2522.5	2336.0	2244.6	2297.1	2244.6
50°	2143.9	2018.6	1993.4	2041.0	1979.8
52.5°	1833.6	1720.9	1772.9	1781.1	1744.5
55°	1588.5	1450.1	1559.0	1537.1	1558.4
57.5°	1375.1	1220.2	1354.3	1329.1	1402.5
60°	1198.9	1024.9	1163.9	1158.4	1301.2
62.5°	1026.0	887.0	998.6	1079.1	1254.7
65°	878.3	779.8	872.8	1020.5	1108.6
67.5°	736.5	699.3	798.3	880.4	976.8
70°	612.8	632.0	792.3	777.0	855.2
72.5°	508.9	574.0	699.3	702.0	757.3
75°	415.9	523.1	614.5	656.6	674.7
77.5°	345.8	474.4	554.9	569.6	552.1
80°	290.0	418.0	485.3	478.8	454.1
82.5°	234.2	316.8	382.5	388.5	359.5
85°	165.2	229.8	280.7	282.4	260.5
87.5°	88.6	141.7	170.2	175.1	162.0
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)