

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: P730257

Luminaire Tested: **HBLED-LD5-12HE-W-AI-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730257
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-L740
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: 11524.0 lumens
Efficiency: N/A
Efficacy: 158.5 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

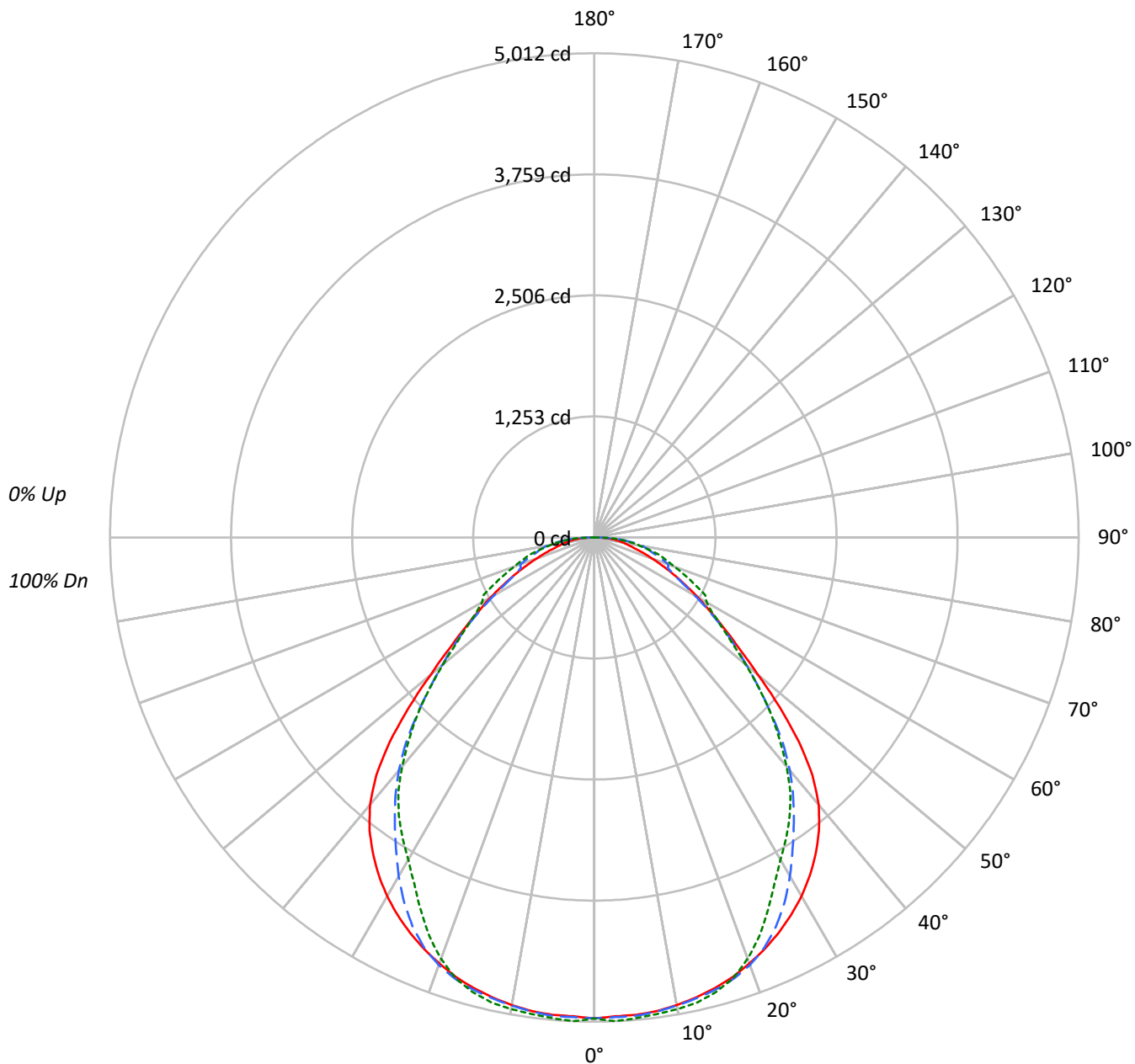
Input Watts (W): 72.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8039	8039	8039
5°	8038	8056	8095
10°	8058	8068	8127
15°	8071	8101	8140
20°	8062	8092	7972
25°	8042	7921	7577
30°	7995	7548	7180
35°	7874	7094	6946
40°	7611	6633	6524
45°	6841	5923	5901
50°	5548	5159	5124
55°	4607	4521	4520
60°	3989	3872	4329
65°	3457	3435	4364
70°	2981	3854	4160
75°	2673	3949	4336
80°	2778	4650	4351
85°	3153	5358	4972



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.0	4.1
10°-20°	1369.1	11.9
20°-30°	2033.3	17.6
30°-40°	2308.4	20.0
40°-50°	2063.6	17.9
50°-60°	1426.8	12.4
60°-70°	941.5	8.2
70°-80°	635.2	5.5
80°-90°	272.0	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°	3876.4	33.6
0°-40°	6184.9	53.7
0°-60°	9675.3	84.0
0°-90°	11524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11524.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4979	4979	4979	4979	4979	
5°	4960	4990	4970	4990	4994	472
15°	4828	4851	4846	4873	4870	1363
25°	4514	4557	4446	4314	4253	2080
35°	3995	3911	3599	3547	3524	2491
45°	2996	2742	2594	2614	2584	2278
55°	1637	1494	1606	1584	1606	1487
65°	905	803	899	1052	1142	903
75°	428	539	633	676	695	468
85°	170	237	289	291	268	178
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4978.7	4978.7	4978.7	4978.7	4978.7
2.5°	4961.8	4992.8	4969.7	4991.1	5012.0
5°	4959.5	4990.0	4970.3	4990.5	4994.5
7.5°	4945.5	4973.6	4950.5	4970.3	4974.8
10°	4915.0	4948.3	4921.2	4951.7	4957.3
12.5°	4875.6	4909.4	4885.7	4927.4	4929.7
15°	4828.2	4851.3	4846.2	4873.3	4869.9
17.5°	4768.4	4795.0	4791.0	4797.7	4782.0
20°	4692.3	4722.2	4709.8	4678.8	4639.9
22.5°	4610.6	4646.6	4597.6	4519.3	4464.5
25°	4514.1	4557.0	4446.5	4314.0	4253.1
27.5°	4407.6	4445.9	4262.2	4099.8	4036.7
30°	4288.1	4304.4	4048.5	3894.0	3851.1
32.5°	4150.0	4126.3	3820.1	3718.1	3693.3
35°	3994.9	3910.9	3599.2	3546.7	3524.2
37.5°	3820.1	3666.3	3381.0	3356.7	3333.0
40°	3611.0	3383.8	3147.0	3131.2	3095.1
42.5°	3341.0	3076.5	2887.1	2868.5	2836.3
45°	2995.9	2742.2	2593.9	2613.7	2584.4
47.5°	2599.0	2406.8	2312.6	2366.7	2312.6
50°	2208.9	2079.8	2053.8	2102.9	2039.8
52.5°	1889.2	1773.1	1826.7	1835.1	1797.3
55°	1636.6	1494.0	1606.2	1583.7	1605.6
57.5°	1416.8	1257.2	1395.4	1369.4	1445.0
60°	1235.2	1056.0	1199.2	1193.5	1340.6
62.5°	1057.1	913.9	1028.9	1111.8	1292.7
65°	904.9	803.4	899.2	1051.5	1142.2
67.5°	758.8	720.5	822.5	907.1	1006.4
70°	631.4	651.1	816.3	800.6	881.2
72.5°	524.3	591.4	720.5	723.3	780.3
75°	428.5	539.0	633.1	676.5	695.1
77.5°	356.3	488.8	571.7	586.9	568.9
80°	298.8	430.7	500.1	493.3	467.9
82.5°	241.3	326.4	394.1	400.3	370.4
85°	170.2	236.8	289.2	290.9	268.4
87.5°	91.3	146.0	175.4	180.4	166.9
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)