

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: P730702

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33385)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-24HE-W-CL-WG-UNV-L750
Description: 24000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23385.0 lumens
Efficiency: N/A
Efficacy: 163.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.3 / 1.33
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

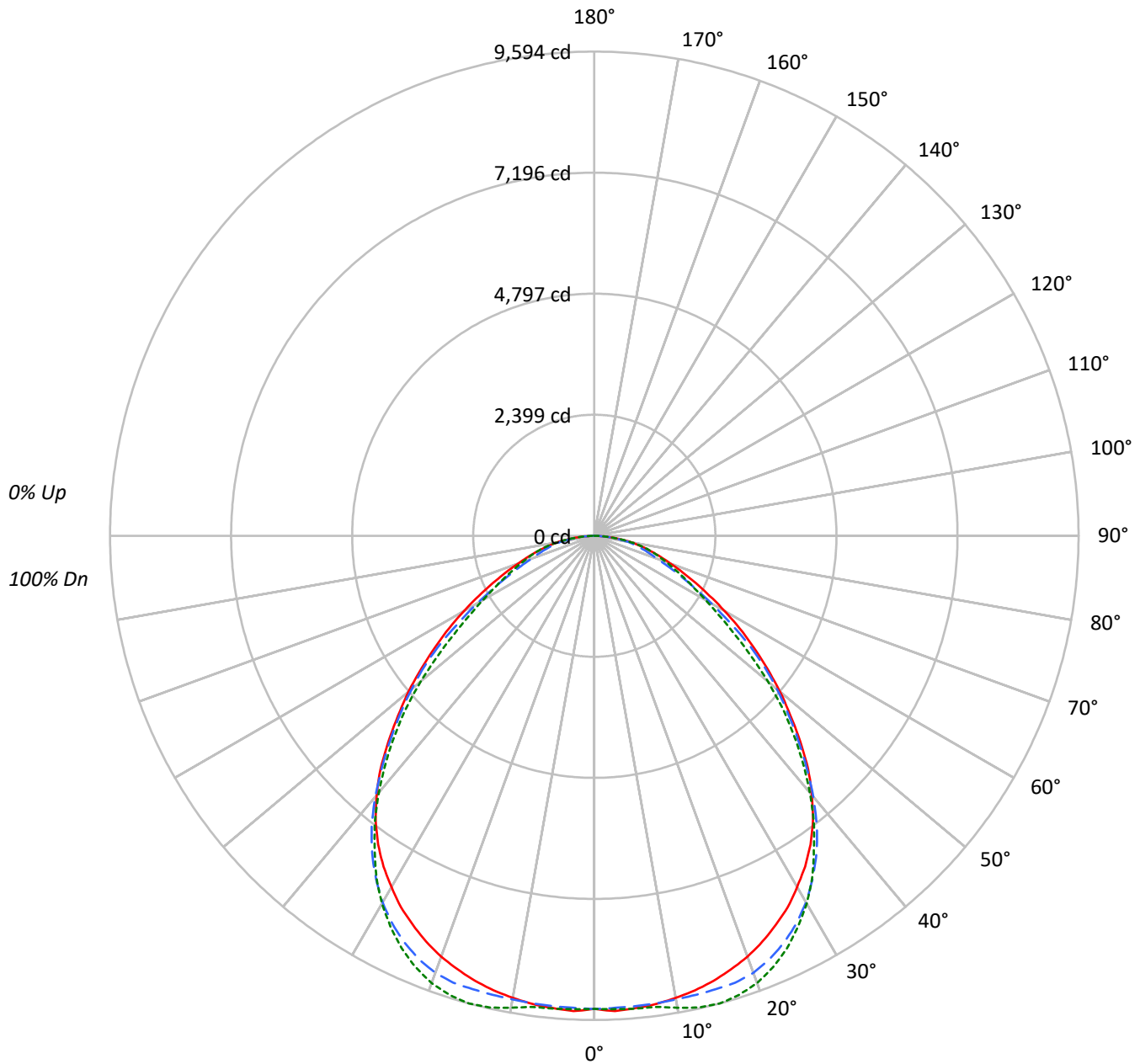
Input Watts (W): 143
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	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	65	57	52	63	56	51	61	55	50	60	54	50	48		
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42		
7	68	55	46	41	66	54	46	40	53	45	40	51	45	40	50	44	40	38		
8	63	50	42	36	62	50	42	36	48	41	36	47	41	36	46	40	36	34		
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31		
10	56	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15140	15140	15140
5°	15229	15166	15241
10°	15242	15294	15567
15°	15261	15548	16037
20°	15251	15833	16203
25°	15158	15847	16080
30°	14984	15637	15687
35°	14716	15131	14949
40°	14135	14222	13998
45°	13171	13033	12768
50°	12059	11865	11257
55°	10832	10430	9518
60°	9606	8630	8216
65°	8464	7170	7456
70°	7570	6222	7102
75°	7091	6050	7182
80°	6904	6116	6836
85°	5511	4839	5017



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	893.2	3.8
10°-20°	2631.1	11.3
20°-30°	4047.6	17.3
30°-40°	4723.7	20.2
40°-50°	4389.6	18.8
50°-60°	3253.8	13.9
60°-70°	1989.1	8.5
70°-80°	1133.0	4.8
80°-90°	324.0	1.4
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°	7571.9	32.4
0°-40°	12295.6	52.6
0°-60°	19938.9	85.3
0°-90°	23385.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	23385.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9377	9377	9377	9377	9377	
5°	9396	9352	9357	9350	9403	894
15°	9130	9125	9302	9486	9594	2577
25°	8508	8574	8895	8970	9026	3919
35°	7466	7524	7676	7614	7584	4652
45°	5768	5802	5708	5618	5592	4445
55°	3848	3751	3705	3442	3381	3453
65°	2215	2012	1877	1928	1952	2217
75°	1137	1067	970	1105	1151	1216
85°	298	290	261	271	271	343
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9376.8	9376.8	9376.8	9376.8	9376.8
2.5°	9427.5	9374.3	9364.6	9342.9	9391.2
5°	9396.1	9352.5	9357.3	9350.1	9403.4
7.5°	9359.8	9328.4	9347.7	9345.2	9415.4
10°	9296.9	9279.9	9328.4	9381.6	9495.2
12.5°	9226.7	9209.9	9316.3	9451.6	9575.1
15°	9130.0	9125.1	9301.7	9485.5	9594.4
17.5°	9009.1	9016.4	9284.8	9442.0	9538.7
20°	8876.1	8888.2	9214.7	9342.9	9430.0
22.5°	8704.4	8745.5	9079.2	9185.6	9253.3
25°	8508.4	8573.7	8895.4	8970.4	9026.0
27.5°	8298.1	8363.3	8668.1	8706.7	8738.2
30°	8036.8	8128.7	8387.5	8392.4	8414.1
32.5°	7770.8	7853.0	8051.3	8029.6	8034.4
35°	7466.1	7524.1	7676.4	7613.6	7584.5
37.5°	7115.4	7146.8	7243.5	7149.3	7144.3
40°	6706.6	6747.7	6747.7	6617.2	6641.3
42.5°	6271.3	6285.7	6225.4	6102.0	6121.3
45°	5768.2	5802.1	5707.7	5618.3	5591.7
47.5°	5270.0	5303.9	5204.7	5100.7	5054.8
50°	4800.8	4783.8	4723.5	4546.9	4481.6
52.5°	4314.7	4261.5	4237.3	3978.6	3903.6
55°	3847.9	3751.2	3705.2	3441.6	3381.1
57.5°	3415.0	3240.9	3153.8	2948.3	2924.0
60°	2974.9	2778.9	2672.5	2539.5	2544.3
62.5°	2575.8	2370.1	2242.0	2203.3	2220.2
65°	2215.4	2012.2	1876.8	1927.6	1951.7
67.5°	1888.9	1722.0	1569.6	1688.1	1712.3
70°	1603.5	1470.5	1318.1	1492.3	1504.4
72.5°	1366.4	1257.7	1129.4	1293.9	1320.5
75°	1136.7	1066.6	969.8	1105.3	1151.2
77.5°	936.0	880.4	824.7	907.0	957.8
80°	742.5	686.9	657.8	701.3	735.2
82.5°	524.8	488.6	459.5	490.9	507.9
85°	297.5	290.2	261.2	270.8	270.8
87.5°	67.7	77.4	87.1	79.8	67.7
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)