

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: P730708

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-24HE-W-CLI-UNV-L750
Description: 24000 LUMEN, HE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24492.0 lumens
Efficiency: N/A
Efficacy: 171.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

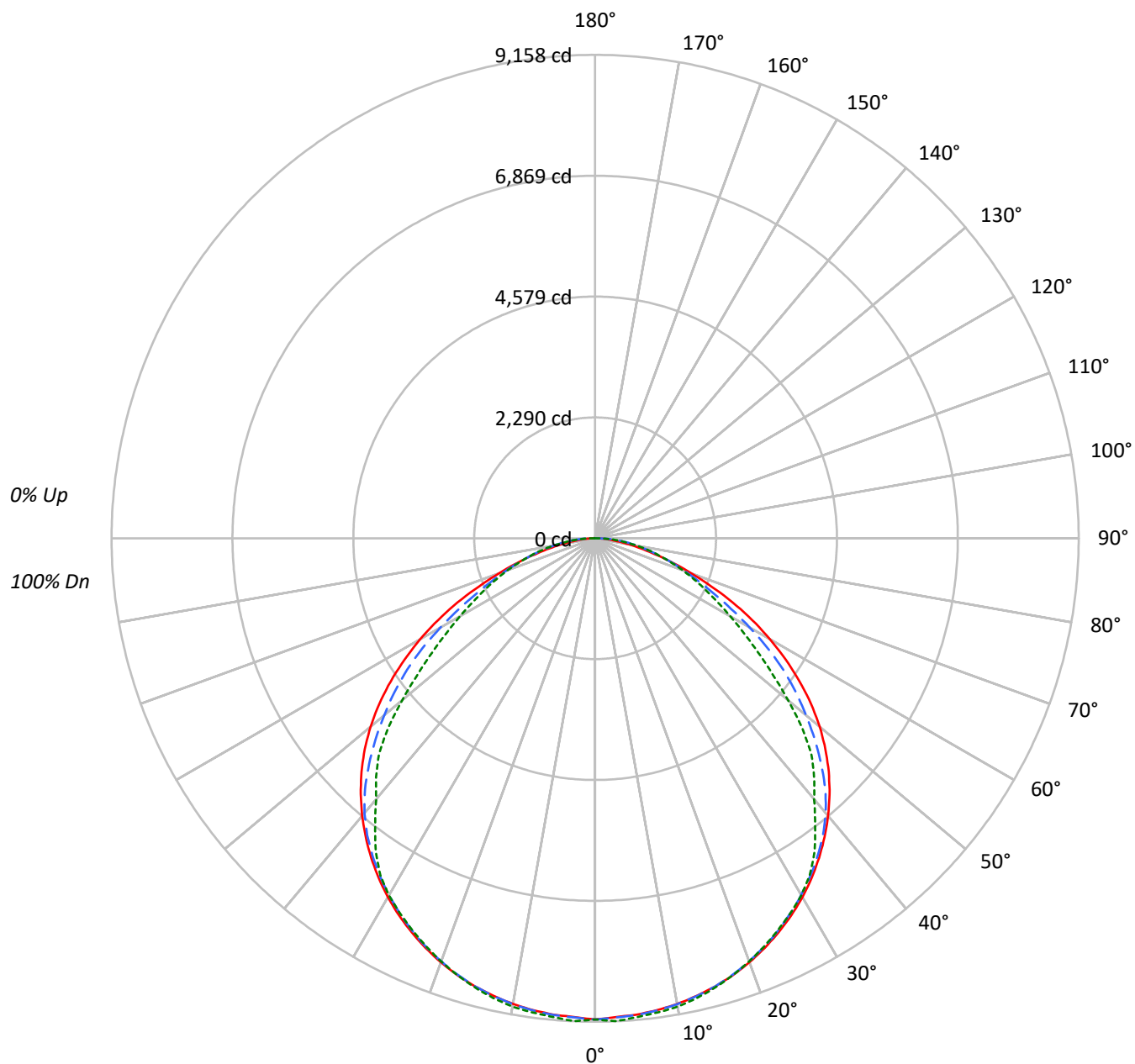
Input Watts (W): 143
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14719	14719	14719
5°	14679	14690	14755
10°	14687	14694	14772
15°	14689	14687	14722
20°	14686	14652	14655
25°	14663	14608	14591
30°	14639	14551	14560
35°	14571	14480	14275
40°	14467	14319	13597
45°	14283	13826	13221
50°	13940	13090	11974
55°	13305	12242	10588
60°	12347	10923	9548
65°	10975	9457	8780
70°	9108	8452	8276
75°	7366	7735	7831
80°	5851	7398	7368
85°	4581	7947	7581



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	864.5	3.5
10°-20°	2486.7	10.2
20°-30°	3791.8	15.5
30°-40°	4587.5	18.7
40°-50°	4646.7	19.0
50°-60°	3840.7	15.7
60°-70°	2536.7	10.4
70°-80°	1322.7	5.4
80°-90°	414.7	1.7
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°	7143.0	29.2
0°-40°	11730.5	47.9
0°-60°	20217.9	82.5
0°-90°	24492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24492.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9116	9116	9116	9116	9116	
5°	9057	9112	9064	9103	9104	861
15°	8788	8833	8787	8814	8808	2482
25°	8231	8264	8200	8221	8190	3795
35°	7392	7402	7346	7337	7242	4624
45°	6255	6239	6055	5867	5790	4817
55°	4727	4656	4349	3927	3761	4213
65°	2873	2790	2475	2315	2298	2837
75°	1181	1202	1240	1256	1255	1286
85°	247	318	429	426	409	300
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9116.0	9116.0	9116.0	9116.0	9116.0
2.5°	9077.8	9131.4	9086.5	9125.9	9157.6
5°	9056.9	9111.7	9063.5	9102.9	9104.0
7.5°	9016.5	9071.2	9021.9	9061.3	9060.2
10°	8958.4	9009.9	8962.8	9009.9	9009.9
12.5°	8879.7	8930.0	8884.1	8927.8	8921.2
15°	8787.8	8832.6	8786.7	8814.0	8807.5
17.5°	8679.4	8719.9	8668.4	8691.4	8678.3
20°	8547.0	8584.2	8527.3	8556.9	8529.4
22.5°	8398.1	8433.1	8375.2	8397.1	8366.4
25°	8230.8	8263.6	8200.1	8220.9	8190.2
27.5°	8050.1	8079.7	8008.5	8033.8	8009.6
30°	7852.0	7866.3	7805.0	7837.9	7809.4
32.5°	7631.0	7639.8	7586.1	7615.6	7567.5
35°	7392.4	7402.3	7346.5	7336.6	7242.5
37.5°	7137.4	7141.8	7089.3	7000.6	6845.2
40°	6863.9	6861.7	6793.9	6589.2	6451.3
42.5°	6571.6	6570.6	6451.3	6218.1	6139.4
45°	6255.4	6239.0	6055.1	5866.9	5790.2
47.5°	5916.2	5898.6	5641.4	5491.6	5317.5
50°	5549.5	5518.9	5211.3	5006.7	4767.1
52.5°	5154.5	5107.4	4794.4	4463.9	4237.4
55°	4726.6	4656.5	4349.0	3926.6	3761.4
57.5°	4281.2	4177.2	3878.4	3467.0	3332.4
60°	3823.7	3707.7	3382.7	3044.6	2956.9
62.5°	3353.1	3238.3	2906.6	2651.7	2603.5
65°	2872.7	2789.5	2475.4	2314.6	2298.2
67.5°	2380.2	2350.7	2111.0	2029.0	2022.4
70°	1929.4	1923.9	1790.4	1748.8	1753.1
72.5°	1542.0	1535.4	1515.7	1494.9	1496.0
75°	1180.8	1201.6	1239.9	1256.3	1255.3
77.5°	881.0	923.7	1004.6	1037.4	1031.9
80°	629.3	692.8	795.6	826.3	792.4
82.5°	419.1	485.9	607.3	611.7	584.4
85°	247.3	318.4	429.0	425.7	409.2
87.5°	122.5	191.5	257.2	246.2	235.3
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)