

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: P730780

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

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730780
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-LD5-24SE-W-CLI-UNV-L750
Description: 24000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24346.0 lumens
Efficiency: N/A
Efficacy: 162.3 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

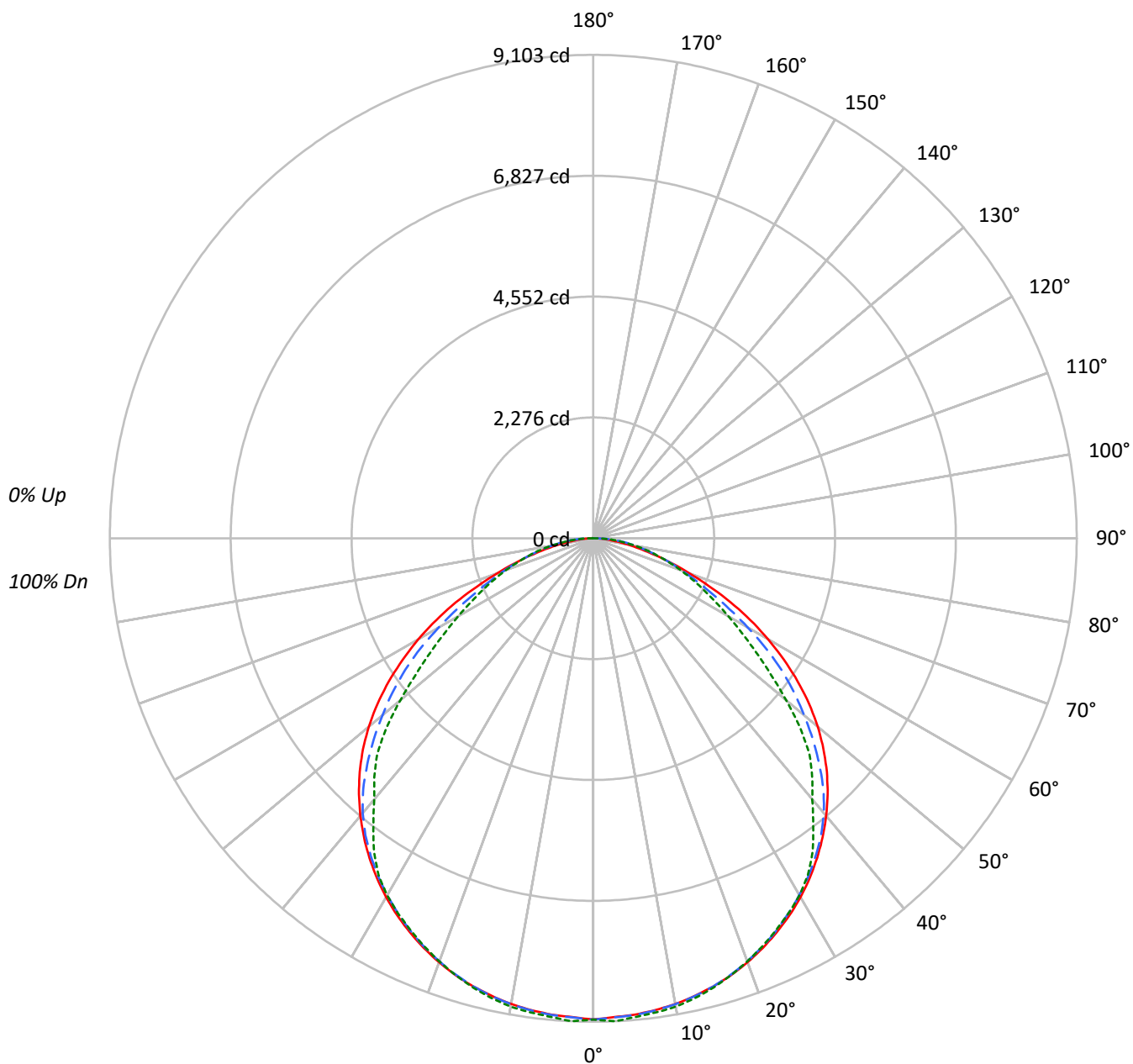
Input Watts (W): 150
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	14631	14631	14631
5°	14591	14602	14668
10°	14600	14607	14684
15°	14602	14600	14634
20°	14598	14564	14568
25°	14576	14521	14504
30°	14552	14465	14473
35°	14484	14394	14190
40°	14381	14234	13516
45°	14198	13744	13142
50°	13857	13012	11903
55°	13226	12169	10525
60°	12274	10858	9492
65°	10910	9401	8728
70°	9054	8401	8227
75°	7323	7689	7784
80°	5816	7354	7323
85°	4554	7901	7536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.4	3.5
10°-20°	2471.9	10.2
20°-30°	3769.2	15.5
30°-40°	4560.2	18.7
40°-50°	4619.0	19.0
50°-60°	3817.7	15.7
60°-70°	2521.6	10.4
70°-80°	1314.8	5.4
80°-90°	412.2	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°	7100.4	29.2
0°-40°	11660.6	47.9
0°-60°	20097.4	82.5
0°-90°	24346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24346.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9062	9062	9062	9062	9062	
5°	9003	9057	9010	9049	9050	856
15°	8735	8780	8734	8762	8755	2467
25°	8182	8214	8151	8172	8141	3773
35°	7348	7358	7303	7293	7199	4596
45°	6218	6202	6019	5832	5756	4788
55°	4698	4629	4323	3903	3739	4188
65°	2856	2773	2461	2301	2284	2820
75°	1174	1194	1232	1249	1248	1279
85°	246	316	426	423	407	298
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9061.7	9061.7	9061.7	9061.7	9061.7
2.5°	9023.7	9076.9	9032.3	9071.5	9103.0
5°	9002.9	9057.4	9009.5	9048.7	9049.8
7.5°	8962.8	9017.1	8968.1	9007.3	9006.2
10°	8905.0	8956.2	8909.4	8956.2	8956.2
12.5°	8826.8	8876.8	8831.1	8874.6	8868.0
15°	8735.4	8779.9	8734.3	8761.5	8755.0
17.5°	8627.7	8668.0	8616.8	8639.6	8626.6
20°	8496.0	8533.1	8476.5	8505.9	8478.6
22.5°	8348.0	8382.9	8325.2	8347.1	8316.5
25°	8181.7	8214.3	8151.2	8171.9	8141.4
27.5°	8002.1	8031.5	7960.8	7985.9	7961.9
30°	7805.2	7819.4	7758.5	7791.2	7762.9
32.5°	7585.5	7594.2	7540.9	7570.2	7522.4
35°	7348.3	7358.2	7302.7	7292.9	7199.3
37.5°	7094.9	7099.3	7047.1	6958.9	6804.4
40°	6823.0	6820.8	6753.4	6549.9	6412.8
42.5°	6532.4	6531.5	6412.8	6181.1	6102.8
45°	6218.1	6201.8	6019.0	5831.9	5755.7
47.5°	5880.9	5863.5	5607.8	5458.8	5285.8
50°	5516.5	5486.0	5180.3	4976.8	4738.7
52.5°	5123.7	5076.9	4765.8	4437.3	4212.1
55°	4698.4	4628.7	4323.1	3903.2	3738.9
57.5°	4255.7	4152.3	3855.3	3446.3	3312.5
60°	3800.9	3685.6	3362.5	3026.4	2939.3
62.5°	3333.1	3219.0	2889.3	2635.9	2588.0
65°	2855.6	2772.9	2460.7	2300.8	2284.5
67.5°	2366.1	2336.7	2098.4	2016.9	2010.3
70°	1917.9	1912.4	1779.7	1738.3	1742.7
72.5°	1532.8	1526.3	1506.7	1486.0	1487.1
75°	1173.8	1194.4	1232.5	1248.8	1247.8
77.5°	875.7	918.2	998.6	1031.3	1025.8
80°	625.5	688.6	790.9	821.4	787.6
82.5°	416.6	483.0	603.7	608.1	580.9
85°	245.8	316.5	426.5	423.2	406.8
87.5°	121.8	190.4	255.6	244.7	233.9
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)