

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: P730755

Luminaire Tested: **HBLED-LD5-24SE-W-A-UNV-L740**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23761)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-24SE-W-A-UNV-L740
Description: 24000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22495.0 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.2 / 1.27
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

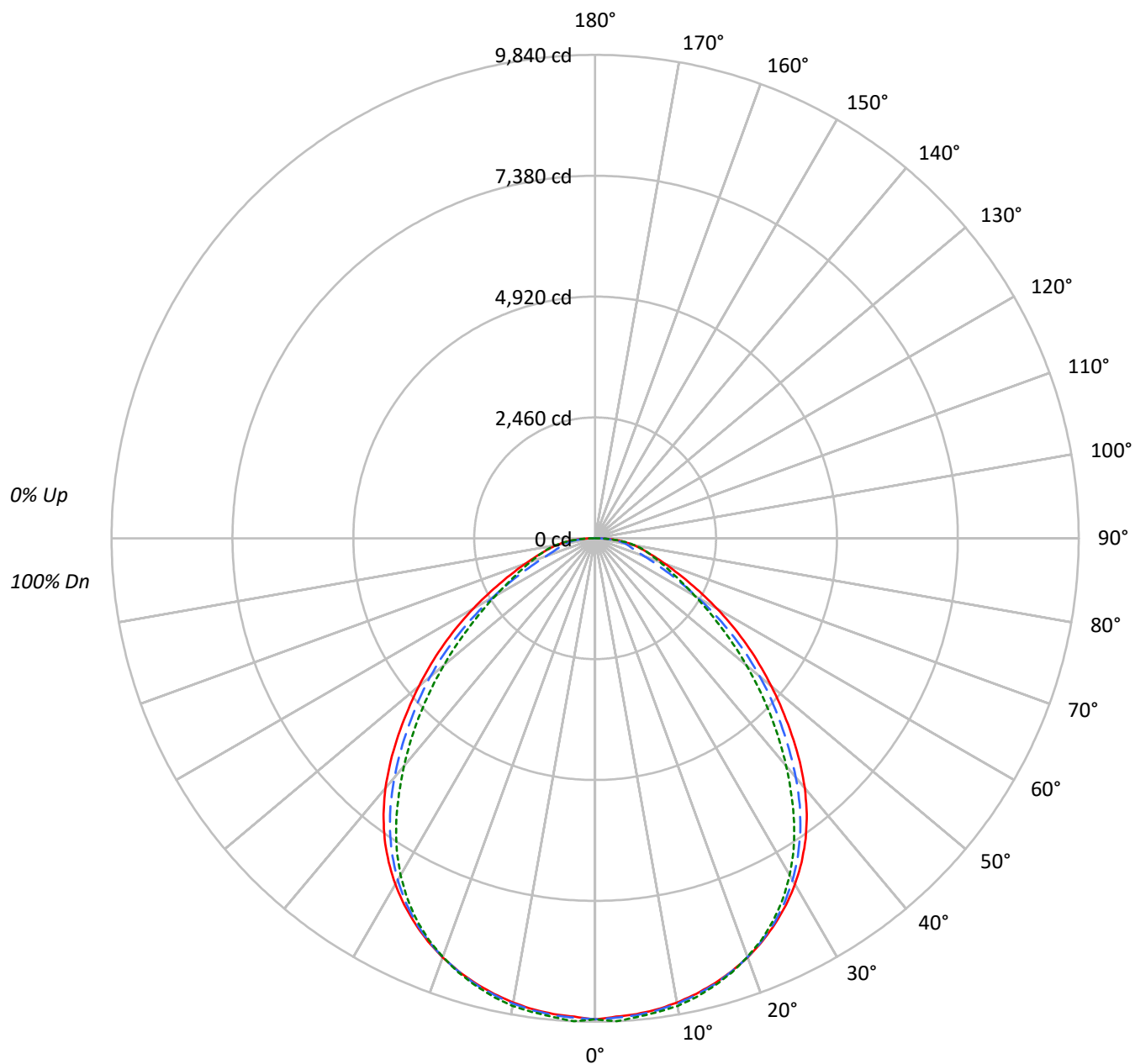
Input Watts (W): 150
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86		
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73		
3	93	83	75	70	90	81	75	69	79	73	68	76	71	67	73	69	65	63		
4	85	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55		
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49		
6	73	61	52	46	72	60	52	46	58	51	46	56	50	45	55	49	45	43		
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	47	41	36	35		
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15811	15811	15811
5°	15755	15791	15855
10°	15732	15769	15848
15°	15680	15711	15748
20°	15598	15586	15575
25°	15429	15375	15289
30°	15162	14979	14761
35°	14722	14351	13909
40°	13989	13389	12746
45°	12924	12202	11463
50°	11748	10988	10084
55°	10563	9513	8717
60°	9244	7774	7564
65°	7970	6113	6827
70°	7106	4989	6579
75°	6807	4871	6875
80°	7362	5761	7660
85°	8266	6936	8348



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	928.1	4.1
10°-20°	2656.1	11.8
20°-30°	3973.3	17.7
30°-40°	4533.2	20.2
40°-50°	4126.5	18.3
50°-60°	3030.0	13.5
60°-70°	1789.1	8.0
70°-80°	1025.3	4.6
80°-90°	433.5	1.9
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°	7557.5	33.6
0°-40°	12090.6	53.7
0°-60°	19247.1	85.6
0°-90°	22495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22495.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9792	9792	9792	9792	9792	
5°	9721	9781	9743	9781	9782	924
15°	9380	9432	9399	9432	9421	2647
25°	8660	8691	8631	8627	8582	3987
35°	7469	7432	7281	7156	7057	4653
45°	5660	5627	5344	5104	5020	4362
55°	3753	3579	3379	3134	3097	3356
65°	2086	1821	1600	1712	1787	2099
75°	1091	935	781	1018	1102	1176
85°	446	412	374	442	451	467
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9792.4	9792.4	9792.4	9792.4	9792.4
2.5°	9747.1	9803.5	9768.1	9806.8	9839.9
5°	9720.7	9781.4	9742.8	9781.4	9782.5
7.5°	9672.1	9728.4	9690.9	9732.8	9728.4
10°	9595.8	9652.2	9618.0	9663.3	9666.6
12.5°	9498.7	9552.8	9517.5	9569.4	9560.6
15°	9380.5	9432.4	9399.3	9432.4	9421.4
17.5°	9241.4	9288.9	9245.8	9282.3	9263.5
20°	9077.9	9117.7	9071.3	9105.5	9064.7
22.5°	8882.5	8917.8	8869.2	8887.9	8846.0
25°	8660.5	8691.4	8630.6	8627.3	8582.0
27.5°	8413.1	8429.7	8352.3	8325.8	8273.9
30°	8132.6	8137.0	8034.3	7984.6	7917.2
32.5°	7817.8	7806.8	7675.3	7601.4	7518.5
35°	7468.9	7432.4	7281.1	7156.4	7056.9
37.5°	7074.6	7017.2	6836.1	6651.6	6556.6
40°	6637.3	6569.9	6352.4	6123.7	6047.5
42.5°	6161.3	6103.9	5847.7	5609.1	5534.0
45°	5659.9	5626.8	5344.0	5104.4	5020.4
47.5°	5158.5	5134.2	4858.2	4614.1	4512.4
50°	4677.0	4624.0	4374.4	4107.1	4014.4
52.5°	4209.8	4101.6	3881.9	3608.0	3539.6
55°	3752.6	3579.3	3379.4	3134.3	3096.6
57.5°	3299.8	3075.7	2881.3	2698.0	2696.9
60°	2862.6	2606.3	2407.5	2311.4	2342.4
62.5°	2452.8	2189.9	1974.6	1981.2	2037.6
65°	2086.2	1821.1	1600.2	1711.8	1786.9
67.5°	1771.4	1518.5	1294.3	1502.0	1573.7
70°	1505.3	1276.6	1056.9	1316.4	1393.7
72.5°	1281.1	1088.9	891.3	1161.8	1240.2
75°	1091.1	935.4	780.8	1018.3	1102.1
77.5°	936.5	798.5	700.2	881.2	968.5
80°	791.8	670.4	619.6	748.8	823.8
82.5°	627.2	543.4	513.6	608.5	647.2
85°	446.2	411.9	374.4	441.7	450.6
87.5°	245.2	254.0	209.8	254.0	255.1
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)