

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: P730772

Luminaire Tested: **HBLED-LD5-24SE-W-CL-WG-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730772
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-LD5-24SE-W-CL-WG-UNV-L735
Description: 24000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS,
WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22032.0 lumens
Efficiency: N/A
Efficacy: 146.9 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

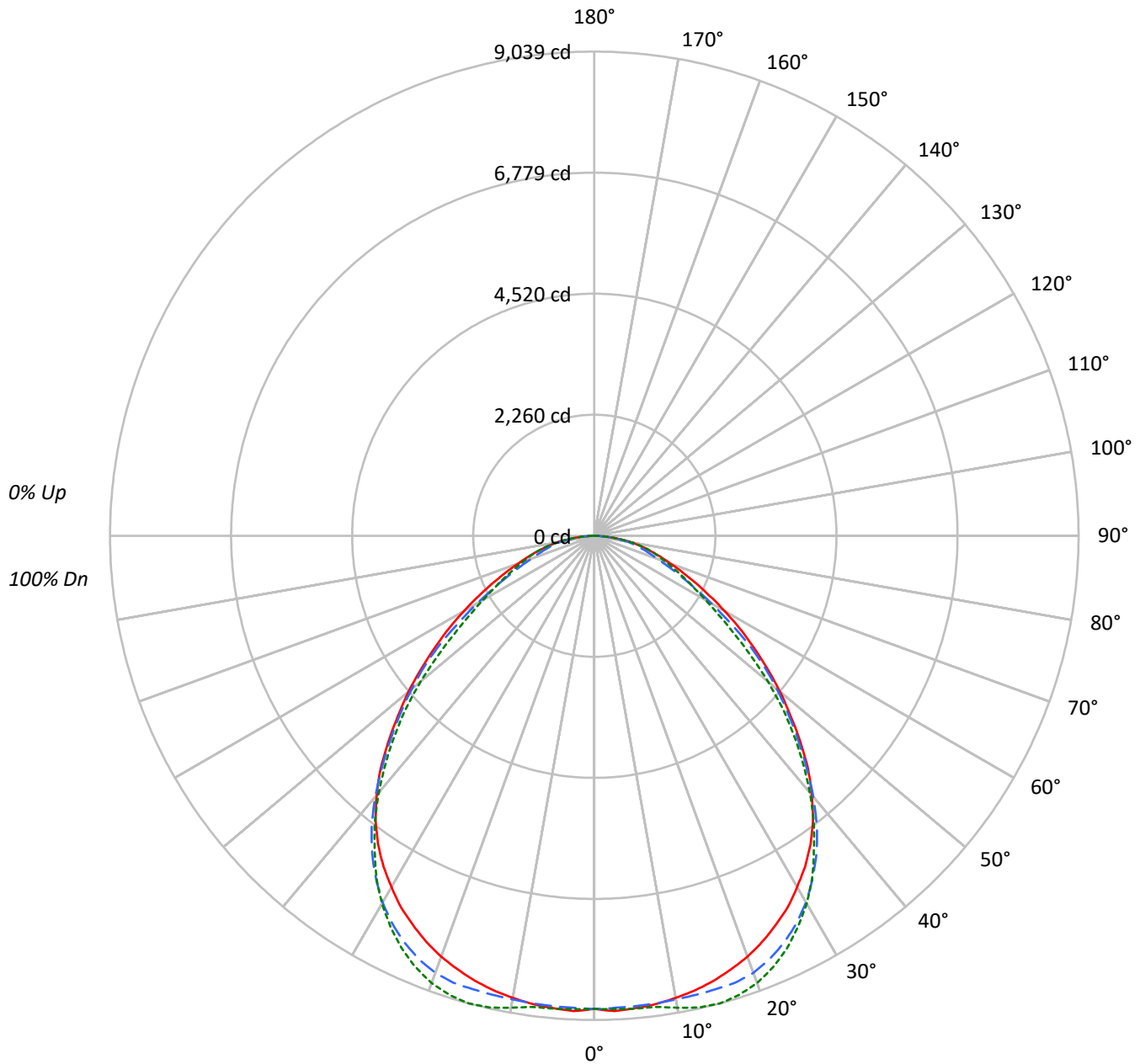
Input Watts (W): 150
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P730772

CATALOG NUMBER: HBLED-LD5-24SE-W-CL-WG-UNV-L735

Luminous Intensity Polar Plot





TEST NUMBER: P730772

CATALOG NUMBER: HBLED-LD5-24SE-W-CL-WG-UNV-L735

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°	14264	14264	14264
5°	14348	14288	14359
10°	14360	14409	14667
15°	14378	14649	15110
20°	14369	14917	15265
25°	14281	14930	15150
30°	14117	14733	14779
35°	13865	14255	14085
40°	13318	13399	13188
45°	12409	12279	12029
50°	11361	11178	10606
55°	10205	9827	8967
60°	9050	8131	7741
65°	7974	6755	7025
70°	7132	5863	6691
75°	6681	5700	6766
80°	6504	5763	6441
85°	5191	4559	4728



TEST NUMBER: P730772

CATALOG NUMBER: HBLED-LD5-24SE-W-CL-WG-UNV-L735

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	841.5	3.8
10°-20°	2478.8	11.3
20°-30°	3813.4	17.3
30°-40°	4450.4	20.2
40°-50°	4135.6	18.8
50°-60°	3065.5	13.9
60°-70°	1874.0	8.5
70°-80°	1067.4	4.8
80°-90°	305.3	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°	7133.8	32.4
0°-40°	11584.2	52.6
0°-60°	18785.3	85.3
0°-90°	22032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22032.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8834	8834	8834	8834	8834	
5°	8852	8811	8816	8809	8859	842
15°	8602	8597	8764	8937	9039	2428
25°	8016	8078	8381	8451	8504	3693
35°	7034	7089	7232	7173	7146	4383
45°	5434	5466	5378	5293	5268	4188
55°	3625	3534	3491	3242	3186	3253
65°	2087	1896	1768	1816	1839	2089
75°	1071	1005	914	1041	1085	1146
85°	280	273	246	255	255	323
90°	0	0	0	0	0	



TEST NUMBER: P730772

CATALOG NUMBER: HBLED-LD5-24SE-W-CL-WG-UNV-L735

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8834.2	8834.2	8834.2	8834.2	8834.2
2.5°	8882.0	8831.9	8822.8	8802.3	8847.8
5°	8852.5	8811.4	8815.9	8809.2	8859.3
7.5°	8818.2	8788.6	8806.9	8804.5	8870.7
10°	8759.0	8743.0	8788.6	8838.8	8945.9
12.5°	8692.9	8677.0	8777.3	8904.8	9021.1
15°	8601.8	8597.2	8763.6	8936.7	9039.3
17.5°	8487.9	8494.7	8747.6	8895.7	8986.8
20°	8362.5	8373.9	8681.5	8802.3	8884.4
22.5°	8200.8	8239.5	8553.9	8654.1	8718.0
25°	8016.2	8077.7	8380.8	8451.4	8503.8
27.5°	7817.9	7879.5	8166.5	8203.0	8232.7
30°	7571.8	7658.4	7902.2	7906.8	7927.3
32.5°	7321.2	7398.7	7585.5	7565.0	7569.5
35°	7034.1	7088.7	7232.3	7173.1	7145.7
37.5°	6703.7	6733.3	6824.4	6735.6	6731.0
40°	6318.6	6357.3	6357.3	6234.3	6257.1
42.5°	5908.5	5922.1	5865.2	5748.9	5767.2
45°	5434.5	5466.4	5377.5	5293.2	5268.2
47.5°	4965.1	4997.0	4903.6	4805.6	4762.3
50°	4523.1	4507.1	4450.2	4283.8	4222.3
52.5°	4065.1	4014.9	3992.2	3748.4	3677.7
55°	3625.3	3534.2	3490.9	3242.4	3185.5
57.5°	3217.4	3053.4	2971.4	2777.7	2754.8
60°	2802.7	2618.1	2517.9	2392.5	2397.1
62.5°	2426.8	2233.0	2112.3	2075.9	2091.8
65°	2087.2	1895.8	1768.2	1816.1	1838.8
67.5°	1779.6	1622.4	1478.8	1590.5	1613.2
70°	1510.7	1385.4	1241.9	1406.0	1417.3
72.5°	1287.4	1184.9	1064.1	1219.0	1244.1
75°	1070.9	1004.9	913.7	1041.4	1084.6
77.5°	881.8	829.5	777.0	854.5	902.3
80°	699.5	647.2	619.8	660.7	692.7
82.5°	494.5	460.3	432.9	462.5	478.5
85°	280.2	273.4	246.1	255.2	255.2
87.5°	63.8	72.9	82.0	75.2	63.8
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)