

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P980713

Luminaire Tested: UHBS2-2436-N-L83065-HIGH-6500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-N-L83065-HIGH-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

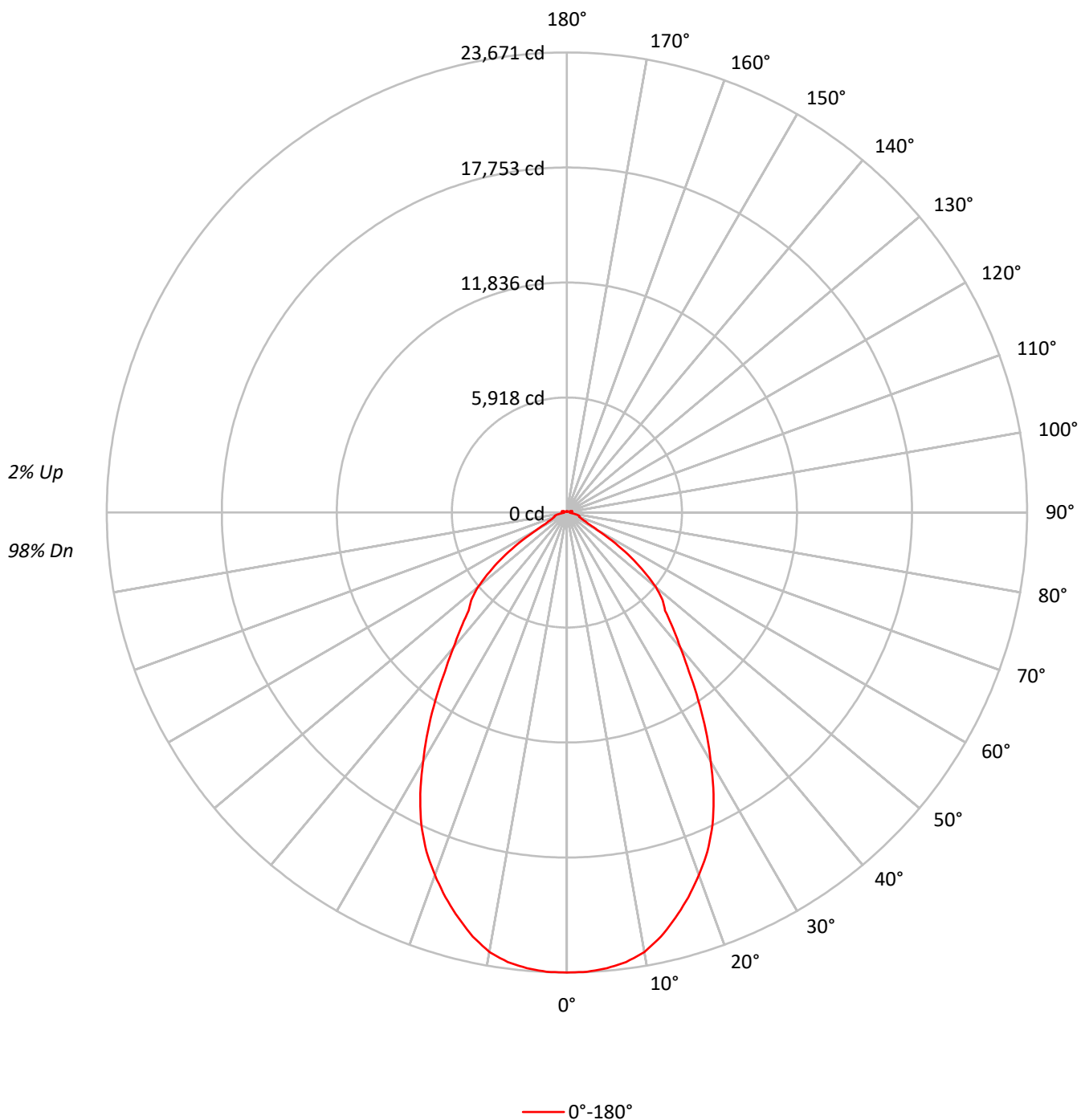
Lumens per Lamp: N/A
Luminaire Lumens: 35612.1 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 239.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.999
Total Harmonic Distortion (THDi): 5.15
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P980713

CATALOG NUMBER: UHBS2-2436-N-L83065-HIGH-6500K-CLR3

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	115	115	115	115	110	110	110		105	105	105		100	100	100	98
1	111	107	104	101	108	105	102	100	101	98	96		96	94	93		93	91	90	88
2	104	97	92	88	101	95	91	87	92	88	84		88	85	82		85	82	80	78
3	97	88	82	77	94	87	81	76	84	79	74		81	76	73		78	75	72	70
4	90	80	73	68	88	79	73	67	76	71	66		74	69	65		72	68	64	62
5	84	74	66	61	82	72	66	60	70	64	60		68	63	59		66	62	58	56
6	79	68	60	55	77	67	60	55	65	59	54		63	58	53		61	57	53	51
7	74	62	55	50	72	61	54	50	60	54	49		58	53	49		57	52	48	46
8	69	58	50	45	68	57	50	45	56	49	45		54	49	45		53	48	44	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	44	41	39
10	62	50	43	39	60	49	43	38	48	42	38		47	42	38		46	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	181481
5°	177468
10°	171542
15°	161063
20°	149073
25°	134948
30°	115205
35°	94467
40°	75686
45°	62529
50°	55559
55°	40337
60°	19720
65°	11520
70°	9482
75°	9832
80°	7120
85°	4274

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62529 cd/sqm

TEST NUMBER: P980713

CATALOG NUMBER: UHBS2-2436-N-L83065-HIGH-6500K-CLR3

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2229.2	6.3
10°-20°	6057.2	17.0
20°-30°	8064.1	22.6
30°-40°	7360.6	20.7
40°-50°	5664.3	15.9
50°-60°	3530.4	9.9
60°-70°	1042.2	2.9
70°-80°	625.0	1.8
80°-90°	227.9	0.6
90°-100°	201.8	0.6
100°-110°	263.2	0.7
110°-120°	130.2	0.4
120°-130°	68.8	0.2
130°-140°	52.3	0.1
140°-150°	42.2	0.1
150°-160°	30.6	0.1
160°-170°	16.9	0.0
170°-180°	5.1	0.0
0°-30°	16350.6	45.9
0°-40°	23711.2	66.6
0°-60°	32905.9	92.4
0°-90°	34801.0	97.7
90°-120°	595.2	1.7
90°-150°	758.4	2.1
90°-180°	811.0	2.3
0°-180°	35612.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23671	
5°	23540	###
15°	21586	6057
25°	17723	8064
35°	11776	7361
45°	7140	5664
55°	4044	3530
65°	959	1042
75°	627	625
85°	181	190
90°	134	77
95°	178	163
105°	262	263
115°	125	130
125°	76	69
135°	67	52
145°	67	42
155°	67	31
165°	58	17
175°	52	5
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23670.9
2.5°	23653.4
5°	23539.7
7.5°	23332.7
10°	22959.5
12.5°	22358.9
15°	21586.3
17.5°	20761.2
20°	19854.5
22.5°	18892.4
25°	17723.3
27.5°	16338.4
30°	14801.9
32.5°	13303.4
35°	11775.7
37.5°	10306.3
40°	9073.0
42.5°	8073.0
45°	7140.0
47.5°	6679.4
50°	5979.7
52.5°	5005.9
55°	4043.8
57.5°	2950.5
60°	1816.4
62.5°	1218.7
65°	959.2
67.5°	790.1
70°	699.7
72.5°	670.6
75°	626.8
77.5°	530.6
80°	379.0
82.5°	253.6
85°	180.8
87.5°	145.8
90°	134.1
92.5°	148.7
95°	177.8
97.5°	218.7
100°	256.6
102.5°	274.1
105°	262.4
107.5°	233.2
110°	192.4

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CATALOG NUMBER: UHBS2-2436-N-L83065-HIGH-6500K-CLR3

CANDELA DISTRIBUTION (continued):

	0°
112.5°	154.5
115°	125.4
117.5°	102.0
120°	87.5
122.5°	78.7
125°	75.8
127.5°	72.9
130°	70.0
132.5°	67.1
135°	67.1
137.5°	67.1
140°	67.1
142.5°	67.1
145°	67.1
147.5°	67.1
150°	67.1
152.5°	67.1
155°	67.1
157.5°	64.1
160°	64.1
162.5°	61.2
165°	58.3
167.5°	58.3
170°	55.4
172.5°	52.5
175°	52.5
177.5°	55.4
180°	55.4

(END OF REPORT)