

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: P1175831

Luminaire Tested: UHBS2-2436-N-L83065-LOW-3000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-3)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-N-L83065-LOW-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

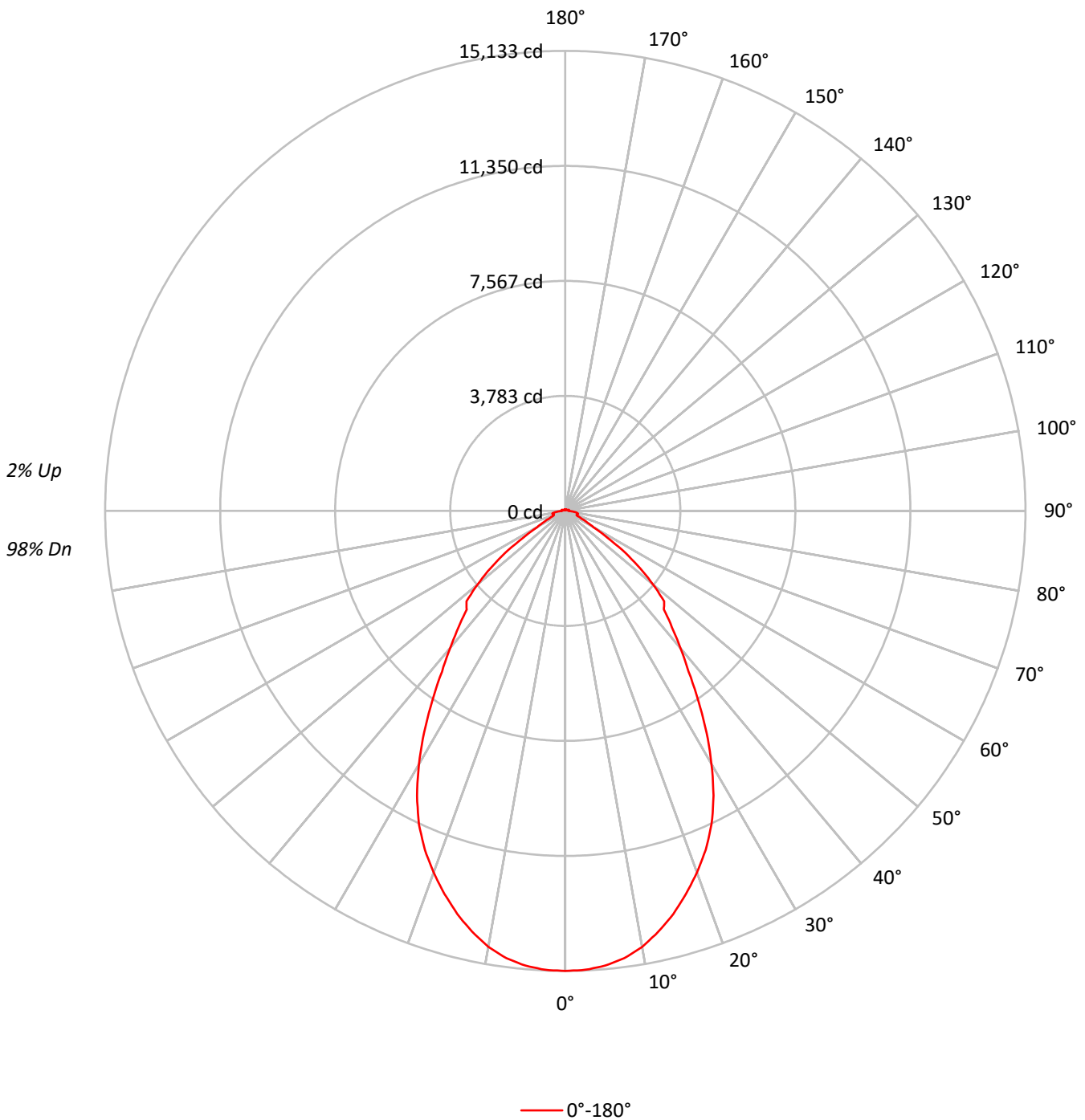
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22824.0 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 156
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.2
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 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				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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98				98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	87				87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	78				78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	69				69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	62				62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	56				56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	51				51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	46				46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	42				42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	39				39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	36				36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95717
5°	91875
10°	86885
15°	80542
20°	73608
25°	66091
30°	56218
35°	45202
40°	35633
45°	28644
50°	24456
55°	16498
60°	7739
65°	4452
70°	3339
75°	3944
80°	4289
85°	3021

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28644 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1419.2	6.2
10°-20°	3850.0	16.9
20°-30°	5182.5	22.7
30°-40°	4771.9	20.9
40°-50°	3660.4	16.0
50°-60°	2131.2	9.3
60°-70°	623.4	2.7
70°-80°	438.4	1.9
80°-90°	274.5	1.2
90°-100°	115.6	0.5
100°-110°	128.9	0.6
110°-120°	87.1	0.4
120°-130°	49.5	0.2
130°-140°	32.2	0.1
140°-150°	27.4	0.1
150°-160°	20.1	0.1
160°-170°	9.6	0.0
170°-180°	2.5	0.0
0°-30°	10451.7	45.8
0°-40°	15223.5	66.7
0°-60°	21015.1	92.1
0°-90°	22351.3	97.9
90°-120°	331.6	1.5
90°-150°	440.5	1.9
90°-180°	473.0	2.1
0°-180°	22824.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15133	
5°	15018	###
15°	13725	3850
25°	11380	5182
35°	7627	4772
45°	4587	3660
55°	2420	2131
65°	573	623
75°	422	438
85°	247	237
90°	109	66
95°	100	87
105°	127	129
115°	86	87
125°	54	49
135°	40	32
145°	44	27
155°	44	20
165°	33	10
175°	25	2
180°	23	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15132.9
2.5°	15111.8
5°	15017.8
7.5°	14843.3
10°	14559.5
12.5°	14174.0
15°	13725.3
17.5°	13209.4
20°	12657.1
22.5°	12062.6
25°	11379.9
27.5°	10559.1
30°	9619.4
32.5°	8643.2
35°	7626.8
37.5°	6662.2
40°	5881.7
42.5°	5191.3
45°	4587.2
47.5°	4407.0
50°	3766.4
52.5°	3108.7
55°	2420.2
57.5°	1660.8
60°	1070.1
62.5°	784.4
65°	573.4
67.5°	439.2
70°	395.1
72.5°	400.8
75°	421.9
77.5°	433.4
80°	406.6
82.5°	337.5
85°	247.4
87.5°	164.9
90°	109.3
92.5°	97.8
95°	99.7
97.5°	111.2
100°	120.8
102.5°	126.6
105°	126.6
107.5°	118.9
110°	109.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	97.8
115°	86.3
117.5°	76.7
120°	69.0
122.5°	61.4
125°	53.7
127.5°	47.9
130°	44.1
132.5°	42.2
135°	40.3
137.5°	40.3
140°	42.2
142.5°	42.2
145°	44.1
147.5°	44.1
150°	46.0
152.5°	46.0
155°	44.1
157.5°	40.3
160°	38.4
162.5°	36.4
165°	32.6
167.5°	30.7
170°	28.8
172.5°	26.8
175°	24.9
177.5°	23.0
180°	23.0

(END OF REPORT)