

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: P1175833

Luminaire Tested: UHBS2-2436-N-L83065-LOW-4000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175833
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-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

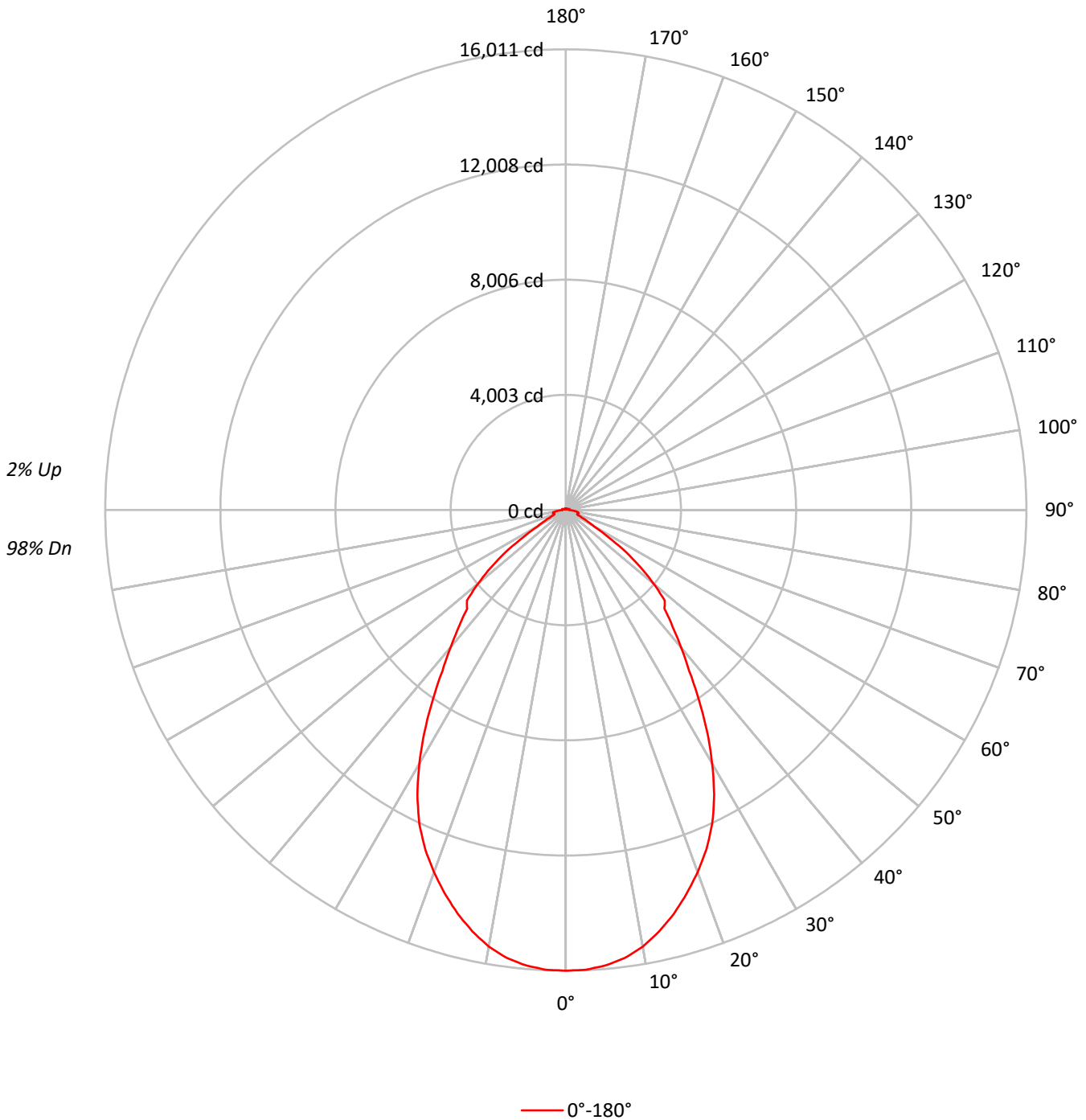
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24149.0 lumens
Efficiency: N/A
Efficacy: 158.0 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): 152.8
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
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89				87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80				78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71				69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64				62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58				56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53				51
7	74	62	55	50	72	61	54	49	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				42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41				39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38				36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101273
5°	97208
10°	91928
15°	85217
20°	77881
25°	69927
30°	59482
35°	47826
40°	37702
45°	30307
50°	25876
55°	17456
60°	8189
65°	4711
70°	3533
75°	4173
80°	4538
85°	3196

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30307 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1501.6	6.2
10°-20°	4073.5	16.9
20°-30°	5483.3	22.7
30°-40°	5048.9	20.9
40°-50°	3872.9	16.0
50°-60°	2254.9	9.3
60°-70°	659.6	2.7
70°-80°	463.8	1.9
80°-90°	290.4	1.2
90°-100°	122.3	0.5
100°-110°	136.4	0.6
110°-120°	92.2	0.4
120°-130°	52.3	0.2
130°-140°	34.0	0.1
140°-150°	28.9	0.1
150°-160°	21.3	0.1
160°-170°	10.2	0.0
170°-180°	2.6	0.0
0°-30°	11058.4	45.8
0°-40°	16107.3	66.7
0°-60°	22235.1	92.1
0°-90°	23648.9	97.9
90°-120°	350.8	1.5
90°-150°	466.1	1.9
90°-180°	500.0	2.1
0°-180°	24149.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16011	
5°	15890	###
15°	14522	4074
25°	12040	5483
35°	8070	5049
45°	4854	3873
55°	2561	2255
65°	607	660
75°	446	464
85°	262	251
90°	116	70
95°	106	92
105°	134	136
115°	91	92
125°	57	52
135°	43	34
145°	47	29
155°	47	21
165°	34	10
175°	26	3
180°	24	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16011.4
2.5°	15989.1
5°	15889.6
7.5°	15705.0
10°	15404.7
12.5°	14996.8
15°	14522.0
17.5°	13976.2
20°	13391.9
22.5°	12762.8
25°	12040.5
27.5°	11172.1
30°	10177.8
32.5°	9145.0
35°	8069.6
37.5°	7049.0
40°	6223.2
42.5°	5492.7
45°	4853.5
47.5°	4662.8
50°	3985.1
52.5°	3289.1
55°	2560.7
57.5°	1757.2
60°	1132.2
62.5°	829.9
65°	606.7
67.5°	464.7
70°	418.0
72.5°	424.1
75°	446.4
77.5°	458.6
80°	430.2
82.5°	357.1
85°	261.7
87.5°	174.5
90°	115.7
92.5°	103.5
95°	105.5
97.5°	117.7
100°	127.8
102.5°	133.9
105°	133.9
107.5°	125.8
110°	115.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	103.5
115°	91.3
117.5°	81.2
120°	73.0
122.5°	64.9
125°	56.8
127.5°	50.7
130°	46.7
132.5°	44.6
135°	42.6
137.5°	42.6
140°	44.6
142.5°	44.6
145°	46.7
147.5°	46.7
150°	48.7
152.5°	48.7
155°	46.7
157.5°	42.6
160°	40.6
162.5°	38.6
165°	34.5
167.5°	32.5
170°	30.4
172.5°	28.4
175°	26.4
177.5°	24.3
180°	24.3

(END OF REPORT)