

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: P1175834

Luminaire Tested: UHBS2-2436-N-L83065-LOW-5000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175834
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-5000K-CLR6
Description: UHBS2 LED High Bay at 5000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

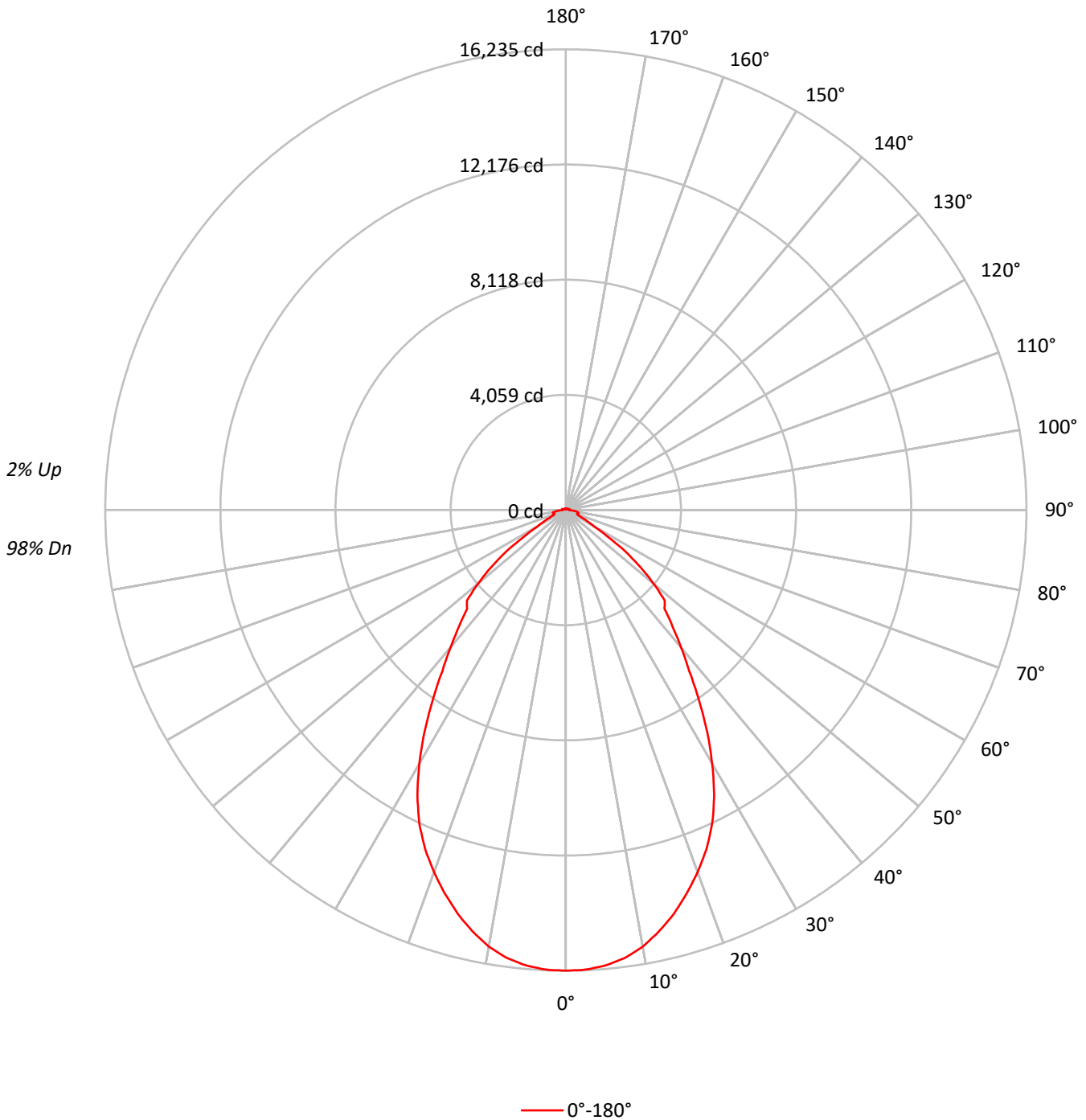
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24486.0 lumens
Efficiency: N/A
Efficacy: 159.3 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): 153.7
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				
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	100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89	89	89	89	87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80	80	80	80	78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71	71	71	71	69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64	64	64	64	62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58	58	58	58	56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53	53	53	53	51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48	48	48	48	46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	44	44	44	42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41	41	41	41	39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	38	38	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102686
5°	98565
10°	93211
15°	86407
20°	78968
25°	70903
30°	60312
35°	48493
40°	38228
45°	30730
50°	26237
55°	17699
60°	8303
65°	4777
70°	3582
75°	4231
80°	4602
85°	3241

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30730 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1522.5	6.2
10°-20°	4130.4	16.9
20°-30°	5559.8	22.7
30°-40°	5119.3	20.9
40°-50°	3926.9	16.0
50°-60°	2286.3	9.3
60°-70°	668.8	2.7
70°-80°	470.3	1.9
80°-90°	294.5	1.2
90°-100°	124.0	0.5
100°-110°	138.3	0.6
110°-120°	93.5	0.4
120°-130°	53.1	0.2
130°-140°	34.5	0.1
140°-150°	29.4	0.1
150°-160°	21.6	0.1
160°-170°	10.3	0.0
170°-180°	2.7	0.0
0°-30°	11212.7	45.8
0°-40°	16332.1	66.7
0°-60°	22545.3	92.1
0°-90°	23978.8	97.9
90°-120°	355.7	1.5
90°-150°	472.6	1.9
90°-180°	507.0	2.1
0°-180°	24486.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16235	
5°	16111	###
15°	14725	4130
25°	12208	5560
35°	8182	5119
45°	4921	3927
55°	2596	2286
65°	615	669
75°	453	470
85°	265	254
90°	117	71
95°	107	94
105°	136	138
115°	93	93
125°	58	53
135°	43	34
145°	47	29
155°	47	22
165°	35	10
175°	27	3
180°	25	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16234.8
2.5°	16212.2
5°	16111.4
7.5°	15924.2
10°	15619.7
12.5°	15206.1
15°	14724.7
17.5°	14171.3
20°	13578.7
22.5°	12940.9
25°	12208.5
27.5°	11328.0
30°	10319.8
32.5°	9272.6
35°	8182.2
37.5°	7147.4
40°	6310.0
42.5°	5569.3
45°	4921.3
47.5°	4727.9
50°	4040.7
52.5°	3335.0
55°	2596.4
57.5°	1781.7
60°	1148.0
62.5°	841.5
65°	615.2
67.5°	471.1
70°	423.8
72.5°	430.0
75°	452.6
77.5°	465.0
80°	436.2
82.5°	362.1
85°	265.4
87.5°	176.9
90°	117.3
92.5°	104.9
95°	107.0
97.5°	119.3
100°	129.6
102.5°	135.8
105°	135.8
107.5°	127.6
110°	117.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.9
115°	92.6
117.5°	82.3
120°	74.1
122.5°	65.8
125°	57.6
127.5°	51.4
130°	47.3
132.5°	45.3
135°	43.2
137.5°	43.2
140°	45.3
142.5°	45.3
145°	47.3
147.5°	47.3
150°	49.4
152.5°	49.4
155°	47.3
157.5°	43.2
160°	41.1
162.5°	39.1
165°	35.0
167.5°	32.9
170°	30.9
172.5°	28.8
175°	26.7
177.5°	24.7
180°	24.7

(END OF REPORT)