

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: P1175839

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175839
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-MID-5000K-CLR6
Description: UHBS2 LED High Bay at 5000K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

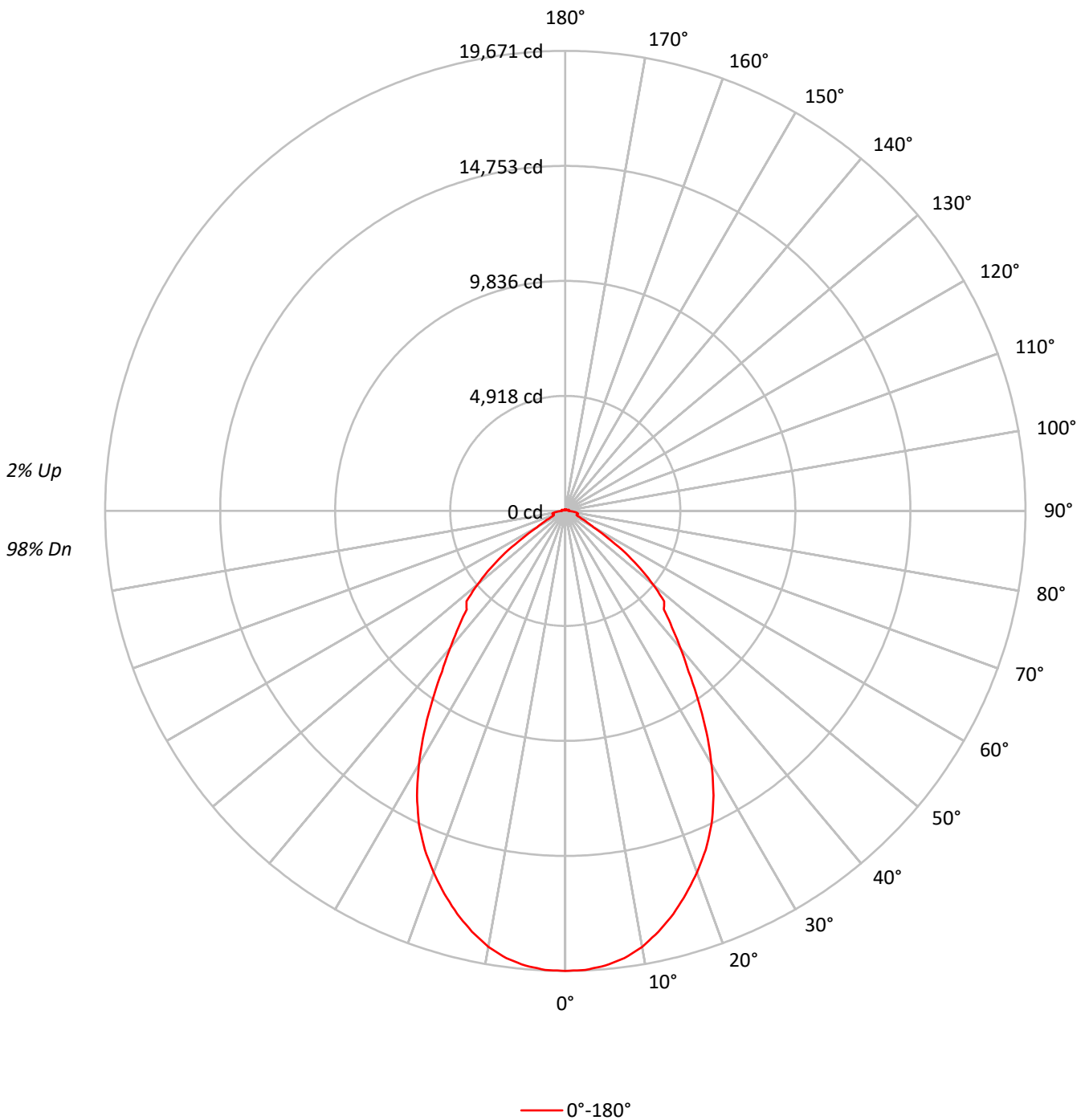
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29669.0 lumens
Efficiency: N/A
Efficacy: 155.3 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): 191
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.15
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°	124422
5°	119429
10°	112941
15°	104697
20°	95683
25°	85911
30°	73078
35°	58758
40°	46319
45°	37235
50°	31791
55°	21446
60°	10060
65°	5788
70°	4340
75°	5127
80°	5575
85°	3927

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 37235 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1844.8	6.2
10°-20°	5004.6	16.9
20°-30°	6736.7	22.7
30°-40°	6203.0	20.9
40°-50°	4758.1	16.0
50°-60°	2770.3	9.3
60°-70°	810.3	2.7
70°-80°	569.8	1.9
80°-90°	356.8	1.2
90°-100°	150.2	0.5
100°-110°	167.5	0.6
110°-120°	113.2	0.4
120°-130°	64.3	0.2
130°-140°	41.8	0.1
140°-150°	35.5	0.1
150°-160°	26.1	0.1
160°-170°	12.5	0.0
170°-180°	3.2	0.0
0°-30°	13586.2	45.8
0°-40°	19789.1	66.7
0°-60°	27317.6	92.1
0°-90°	29054.5	97.9
90°-120°	431.0	1.5
90°-150°	572.6	1.9
90°-180°	614.0	2.1
0°-180°	29669.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19671	
5°	19522	###
15°	17842	5005
25°	14793	6737
35°	9914	6203
45°	5963	4758
55°	3146	2770
65°	745	810
75°	548	570
85°	322	308
90°	142	86
95°	130	113
105°	164	168
115°	112	113
125°	70	64
135°	52	42
145°	57	36
155°	57	26
165°	42	12
175°	32	3
180°	30	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19671.3
2.5°	19643.9
5°	19521.7
7.5°	19294.9
10°	18925.9
12.5°	18424.8
15°	17841.5
17.5°	17170.9
20°	16453.0
22.5°	15680.2
25°	14792.7
27.5°	13725.8
30°	12504.3
32.5°	11235.4
35°	9914.2
37.5°	8660.2
40°	7645.6
42.5°	6748.2
45°	5963.0
47.5°	5728.6
50°	4896.0
52.5°	4041.0
55°	3146.0
57.5°	2158.8
60°	1391.0
62.5°	1019.6
65°	745.4
67.5°	570.9
70°	513.5
72.5°	521.0
75°	548.4
77.5°	563.4
80°	528.5
82.5°	438.7
85°	321.6
87.5°	214.4
90°	142.1
92.5°	127.1
95°	129.6
97.5°	144.6
100°	157.1
102.5°	164.5
105°	164.5
107.5°	154.6
110°	142.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	127.1
115°	112.2
117.5°	99.7
120°	89.7
122.5°	79.8
125°	69.8
127.5°	62.3
130°	57.3
132.5°	54.8
135°	52.4
137.5°	52.4
140°	54.8
142.5°	54.8
145°	57.3
147.5°	57.3
150°	59.8
152.5°	59.8
155°	57.3
157.5°	52.4
160°	49.9
162.5°	47.4
165°	42.4
167.5°	39.9
170°	37.4
172.5°	34.9
175°	32.4
177.5°	29.9
180°	29.9

(END OF REPORT)