

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: P1175840

Luminaire Tested: UHBS2-2436-N-L83065-MID-6500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175840
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-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

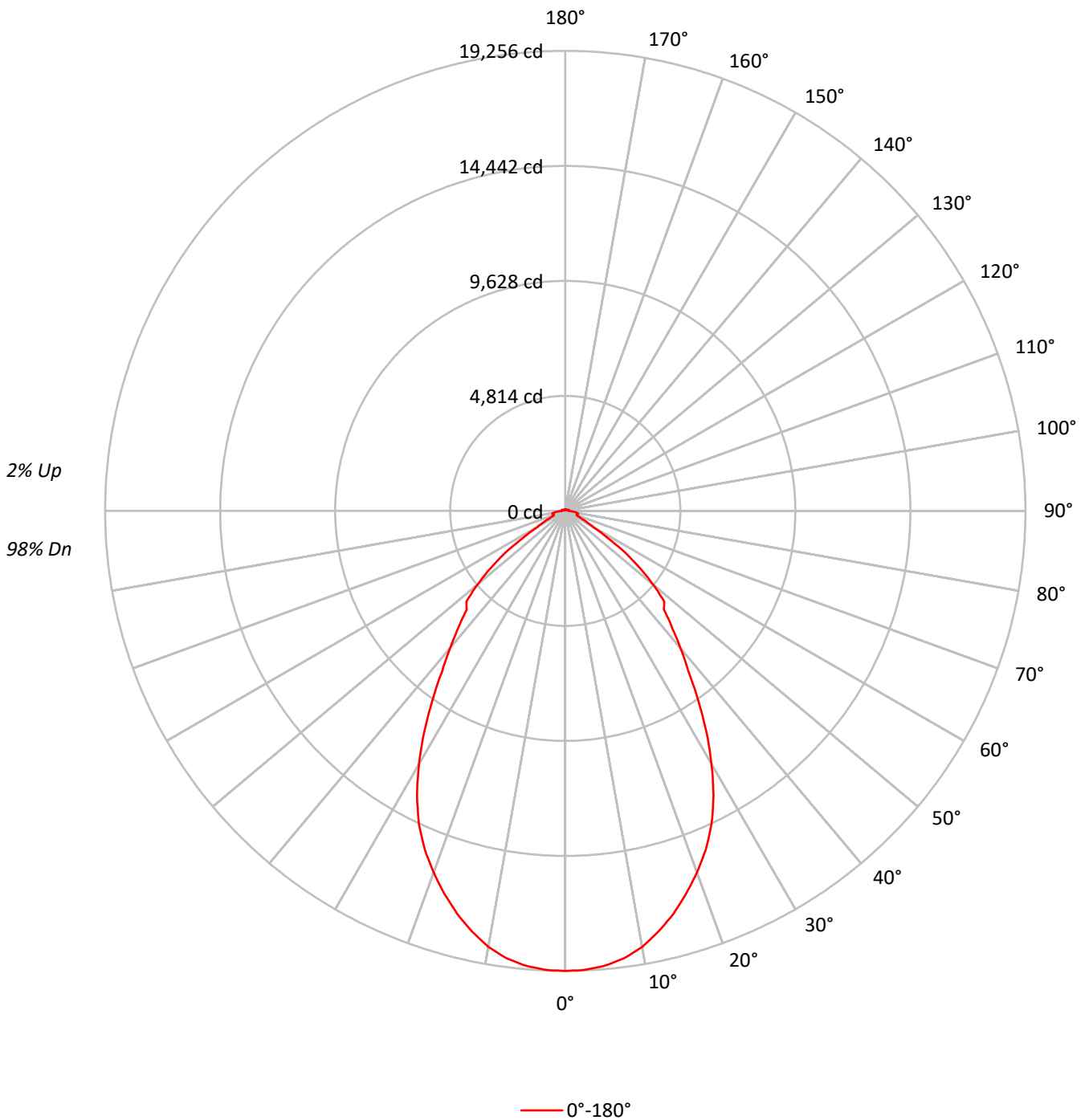
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29041.9 lumens
Efficiency: N/A
Efficacy: 148.9 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): 195
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

TEST NUMBER: P1175840
CATALOG NUMBER: UHBS2-2436-N-L83065-MID-6500K-CLR6

Luminous Intensity Polar Plot





TEST NUMBER: P1175840
 CATALOG NUMBER: UHBS2-2436-N-L83065-MID-6500K-CLR6

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°	121793
5°	116905
10°	110554
15°	102484
20°	93661
25°	84096
30°	71534
35°	57516
40°	45341
45°	36448
50°	31119
55°	20993
60°	9848
65°	5665
70°	4248
75°	5018
80°	5457
85°	3844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 36448 cd/sqm



TEST NUMBER: P1175840

CATALOG NUMBER: UHBS2-2436-N-L83065-MID-6500K-CLR6

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1805.8	6.2
10°-20°	4898.9	16.9
20°-30°	6594.3	22.7
30°-40°	6071.9	20.9
40°-50°	4657.6	16.0
50°-60°	2711.8	9.3
60°-70°	793.2	2.7
70°-80°	557.8	1.9
80°-90°	349.3	1.2
90°-100°	147.0	0.5
100°-110°	164.0	0.6
110°-120°	110.8	0.4
120°-130°	62.9	0.2
130°-140°	40.9	0.1
140°-150°	34.8	0.1
150°-160°	25.6	0.1
160°-170°	12.2	0.0
170°-180°	3.2	0.0
0°-30°	13299.0	45.8
0°-40°	19370.9	66.7
0°-60°	26740.2	92.1
0°-90°	28440.5	97.9
90°-120°	421.9	1.5
90°-150°	560.5	1.9
90°-180°	601.0	2.1
0°-180°	29041.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19256	
5°	19109	###
15°	17464	4899
25°	14480	6594
35°	9705	6072
45°	5837	4658
55°	3080	2712
65°	730	793
75°	537	558
85°	315	301
90°	139	84
95°	127	111
105°	161	164
115°	110	111
125°	68	63
135°	51	41
145°	56	35
155°	56	26
165°	42	12
175°	32	3
180°	29	



TEST NUMBER: P1175840
CATALOG NUMBER: UHBS2-2436-N-L83065-MID-6500K-CLR6

CANDELA DISTRIBUTION (FULL):

	0°
0°	19255.6
2.5°	19228.7
5°	19109.1
7.5°	18887.1
10°	18525.9
12.5°	18035.5
15°	17464.5
17.5°	16808.0
20°	16105.3
22.5°	15348.8
25°	14480.1
27.5°	13435.7
30°	12240.0
32.5°	10997.9
35°	9704.6
37.5°	8477.2
40°	7484.1
42.5°	6605.6
45°	5836.9
47.5°	5607.6
50°	4792.5
52.5°	3955.6
55°	3079.5
57.5°	2113.2
60°	1361.6
62.5°	998.0
65°	729.6
67.5°	558.8
70°	502.7
72.5°	510.0
75°	536.8
77.5°	551.5
80°	517.3
82.5°	429.5
85°	314.8
87.5°	209.9
90°	139.1
92.5°	124.4
95°	126.9
97.5°	141.5
100°	153.7
102.5°	161.1
105°	161.1
107.5°	151.3
110°	139.1



TEST NUMBER: P1175840
CATALOG NUMBER: UHBS2-2436-N-L83065-MID-6500K-CLR6

CANDELA DISTRIBUTION (continued):

	0°
112.5°	124.4
115°	109.8
117.5°	97.6
120°	87.8
122.5°	78.1
125°	68.3
127.5°	61.0
130°	56.1
132.5°	53.7
135°	51.2
137.5°	51.2
140°	53.7
142.5°	53.7
145°	56.1
147.5°	56.1
150°	58.6
152.5°	58.6
155°	56.1
157.5°	51.2
160°	48.8
162.5°	46.4
165°	41.5
167.5°	39.0
170°	36.6
172.5°	34.2
175°	31.7
177.5°	29.3
180°	29.3

(END OF REPORT)