

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: P1175835

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175835
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-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

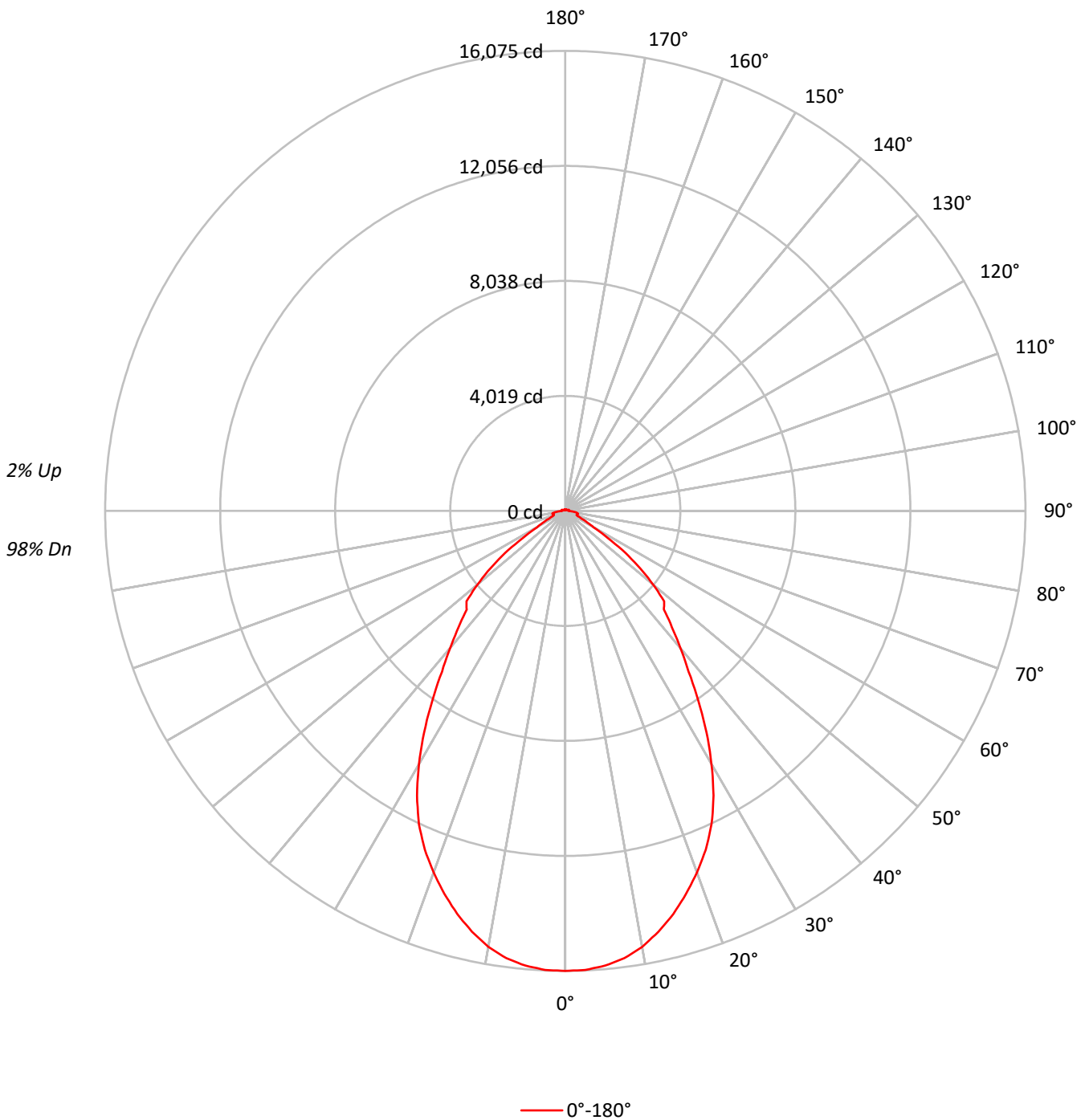
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24245.1 lumens
Efficiency: N/A
Efficacy: 157.2 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): 154.2
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

TEST NUMBER: P1175835
CATALOG NUMBER: UHBS2-2436-N-L83065-LOW-6500K-CLR6

Luminous Intensity Polar Plot





TEST NUMBER: P1175835
 CATALOG NUMBER: UHBS2-2436-N-L83065-LOW-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°	101675
5°	97595
10°	92294
15°	85557
20°	78191
25°	70206
30°	59718
35°	48016
40°	37851
45°	30428
50°	25979
55°	17526
60°	8221
65°	4730
70°	3546
75°	4190
80°	4556
85°	3209

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30428 cd/sqm



TEST NUMBER: P1175835

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1507.6	6.2
10°-20°	4089.7	16.9
20°-30°	5505.1	22.7
30°-40°	5069.0	20.9
40°-50°	3888.3	16.0
50°-60°	2263.9	9.3
60°-70°	662.2	2.7
70°-80°	465.7	1.9
80°-90°	291.6	1.2
90°-100°	122.8	0.5
100°-110°	136.9	0.6
110°-120°	92.5	0.4
120°-130°	52.5	0.2
130°-140°	34.2	0.1
140°-150°	29.1	0.1
150°-160°	21.4	0.1
160°-170°	10.2	0.0
170°-180°	2.7	0.0
0°-30°	11102.4	45.8
0°-40°	16171.4	66.7
0°-60°	22323.5	92.1
0°-90°	23742.9	97.9
90°-120°	352.2	1.5
90°-150°	468.0	1.9
90°-180°	502.0	2.1
0°-180°	24245.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16075	
5°	15953	###
15°	14580	4090
25°	12088	5505
35°	8102	5069
45°	4873	3888
55°	2571	2264
65°	609	662
75°	448	466
85°	263	252
90°	116	70
95°	106	93
105°	134	137
115°	92	93
125°	57	53
135°	43	34
145°	47	29
155°	47	21
165°	35	10
175°	26	3
180°	24	



TEST NUMBER: P1175835
CATALOG NUMBER: UHBS2-2436-N-L83065-LOW-6500K-CLR6

CANDELA DISTRIBUTION (FULL):

	0°
0°	16075.0
2.5°	16052.6
5°	15952.8
7.5°	15767.4
10°	15465.9
12.5°	15056.5
15°	14579.8
17.5°	14031.8
20°	13445.1
22.5°	12813.6
25°	12088.4
27.5°	11216.5
30°	10218.3
32.5°	9181.4
35°	8101.7
37.5°	7077.0
40°	6247.9
42.5°	5514.5
45°	4872.8
47.5°	4681.3
50°	4000.9
52.5°	3302.2
55°	2570.9
57.5°	1764.2
60°	1136.7
62.5°	833.2
65°	609.1
67.5°	466.5
70°	419.6
72.5°	425.8
75°	448.2
77.5°	460.4
80°	431.9
82.5°	358.5
85°	262.8
87.5°	175.2
90°	116.1
92.5°	103.9
95°	105.9
97.5°	118.2
100°	128.3
102.5°	134.5
105°	134.5
107.5°	126.3
110°	116.1



TEST NUMBER: P1175835
CATALOG NUMBER: UHBS2-2436-N-L83065-LOW-6500K-CLR6

CANDELA DISTRIBUTION (continued):

	0°
112.5°	103.9
115°	91.7
117.5°	81.5
120°	73.3
122.5°	65.2
125°	57.0
127.5°	50.9
130°	46.9
132.5°	44.8
135°	42.8
137.5°	42.8
140°	44.8
142.5°	44.8
145°	46.9
147.5°	46.9
150°	48.9
152.5°	48.9
155°	46.9
157.5°	42.8
160°	40.7
162.5°	38.7
165°	34.6
167.5°	32.6
170°	30.6
172.5°	28.5
175°	26.5
177.5°	24.4
180°	24.4

(END OF REPORT)