

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: P1175830

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175830
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-HIGH-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

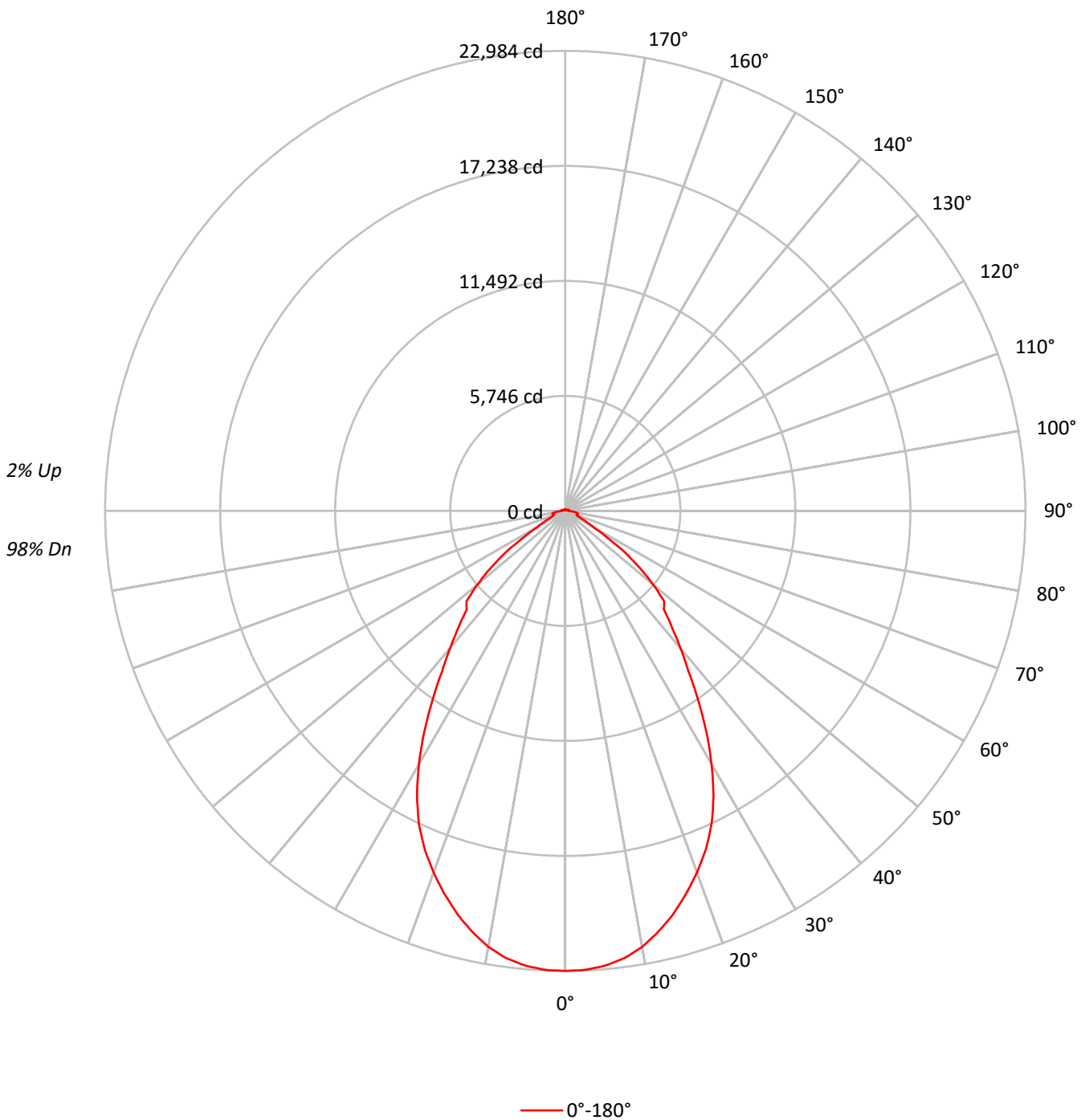
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34665.1 lumens
Efficiency: N/A
Efficacy: 145.0 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): 239.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.999
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				
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°	145373
5°	139540
10°	131960
15°	122327
20°	111795
25°	100378
30°	85384
35°	68652
40°	54119
45°	43505
50°	37145
55°	25058
60°	11755
65°	6762
70°	5071
75°	5991
80°	6514
85°	4588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 43505 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2155.5	6.2
10°-20°	5847.4	16.9
20°-30°	7871.1	22.7
30°-40°	7247.5	20.9
40°-50°	5559.4	16.0
50°-60°	3236.8	9.3
60°-70°	946.8	2.7
70°-80°	665.8	1.9
80°-90°	416.9	1.2
90°-100°	175.5	0.5
100°-110°	195.7	0.6
110°-120°	132.3	0.4
120°-130°	75.1	0.2
130°-140°	48.8	0.1
140°-150°	41.6	0.1
150°-160°	30.5	0.1
160°-170°	14.6	0.0
170°-180°	3.8	0.0
0°-30°	15874.0	45.8
0°-40°	23121.4	66.7
0°-60°	31917.7	92.1
0°-90°	33947.1	97.9
90°-120°	503.6	1.5
90°-150°	669.1	1.9
90°-180°	718.0	2.1
0°-180°	34665.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22984	
5°	22809	###
15°	20846	5847
25°	17284	7871
35°	11584	7247
45°	6967	5559
55°	3676	3237
65°	871	947
75°	641	666
85°	376	360
90°	166	100
95°	152	132
105°	192	196
115°	131	132
125°	82	75
135°	61	49
145°	67	42
155°	67	31
165°	50	15
175°	38	4
180°	35	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22983.7
2.5°	22951.7
5°	22809.0
7.5°	22543.9
10°	22112.9
12.5°	21527.4
15°	20845.9
17.5°	20062.4
20°	19223.5
22.5°	18320.6
25°	17283.7
27.5°	16037.1
30°	14609.9
32.5°	13127.3
35°	11583.6
37.5°	10118.6
40°	8933.1
42.5°	7884.6
45°	6967.1
47.5°	6693.3
50°	5720.5
52.5°	4721.4
55°	3675.8
57.5°	2522.4
60°	1625.3
62.5°	1191.3
65°	870.9
67.5°	667.0
70°	600.0
72.5°	608.7
75°	640.8
77.5°	658.3
80°	617.5
82.5°	512.6
85°	375.7
87.5°	250.5
90°	166.0
92.5°	148.5
95°	151.5
97.5°	168.9
100°	183.5
102.5°	192.2
105°	192.2
107.5°	180.6
110°	166.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	148.5
115°	131.1
117.5°	116.5
120°	104.9
122.5°	93.2
125°	81.6
127.5°	72.8
130°	67.0
132.5°	64.1
135°	61.2
137.5°	61.2
140°	64.1
142.5°	64.1
145°	67.0
147.5°	67.0
150°	69.9
152.5°	69.9
155°	67.0
157.5°	61.2
160°	58.3
162.5°	55.3
165°	49.5
167.5°	46.6
170°	43.7
172.5°	40.8
175°	37.9
177.5°	35.0
180°	35.0

(END OF REPORT)