

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: P1175828

Luminaire Tested: UHBS2-2436-N-L83065-HIGH-4000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175828
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-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

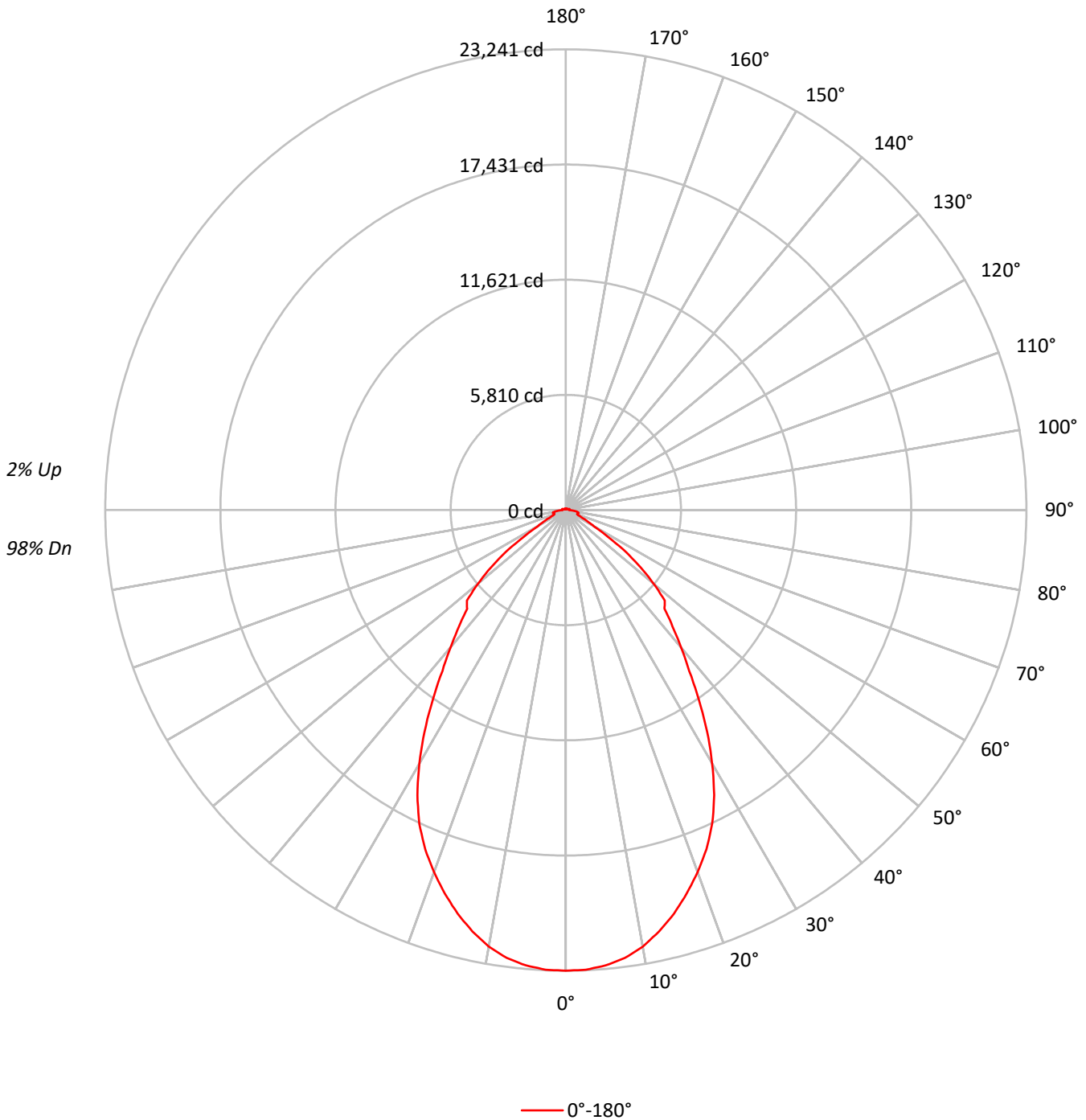
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35053.0 lumens
Efficiency: N/A
Efficacy: 151.0 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): 232.1
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°	147001
5°	141101
10°	133437
15°	123696
20°	113047
25°	101502
30°	86340
35°	69421
40°	54725
45°	43992
50°	37560
55°	25338
60°	11886
65°	6838
70°	5127
75°	6058
80°	6587
85°	4639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 43992 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2179.6	6.2
10°-20°	5912.8	16.9
20°-30°	7959.2	22.7
30°-40°	7328.6	20.9
40°-50°	5621.6	16.0
50°-60°	3273.0	9.3
60°-70°	957.4	2.7
70°-80°	673.2	1.9
80°-90°	421.5	1.2
90°-100°	177.5	0.5
100°-110°	198.0	0.6
110°-120°	133.8	0.4
120°-130°	76.0	0.2
130°-140°	49.4	0.1
140°-150°	42.0	0.1
150°-160°	30.9	0.1
160°-170°	14.7	0.0
170°-180°	3.8	0.0
0°-30°	16051.6	45.8
0°-40°	23380.2	66.7
0°-60°	32274.9	92.1
0°-90°	34327.0	97.9
90°-120°	509.2	1.5
90°-150°	676.6	1.9
90°-180°	726.0	2.1
0°-180°	35053.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23241	
5°	23064	###
15°	21079	5913
25°	17477	7959
35°	11713	7329
45°	7045	5622
55°	3717	3273
65°	881	957
75°	648	673
85°	380	364
90°	168	101
95°	153	134
105°	194	198
115°	132	134
125°	82	76
135°	62	49
145°	68	42
155°	68	31
165°	50	15
175°	38	4
180°	35	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	23241.0
2.5°	23208.6
5°	23064.3
7.5°	22796.3
10°	22360.4
12.5°	21768.4
15°	21079.2
17.5°	20286.9
20°	19438.7
22.5°	18525.6
25°	17477.1
27.5°	16216.6
30°	14773.4
32.5°	13274.3
35°	11713.3
37.5°	10231.8
40°	9033.1
42.5°	7972.8
45°	7045.0
47.5°	6768.2
50°	5784.5
52.5°	4774.3
55°	3716.9
57.5°	2550.6
60°	1643.5
62.5°	1204.6
65°	880.6
67.5°	674.5
70°	606.7
72.5°	615.6
75°	648.0
77.5°	665.6
80°	624.4
82.5°	518.4
85°	379.9
87.5°	253.3
90°	167.9
92.5°	150.2
95°	153.2
97.5°	170.8
100°	185.6
102.5°	194.4
105°	194.4
107.5°	182.6
110°	167.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	150.2
115°	132.5
117.5°	117.8
120°	106.0
122.5°	94.2
125°	82.5
127.5°	73.6
130°	67.7
132.5°	64.8
135°	61.9
137.5°	61.9
140°	64.8
142.5°	64.8
145°	67.7
147.5°	67.7
150°	70.7
152.5°	70.7
155°	67.7
157.5°	61.9
160°	58.9
162.5°	56.0
165°	50.1
167.5°	47.1
170°	44.2
172.5°	41.2
175°	38.3
177.5°	35.3
180°	35.3

(END OF REPORT)