

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: P1175829

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175829
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-5000K-CLR6
Description: UHBS2 LED High Bay at 5000K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

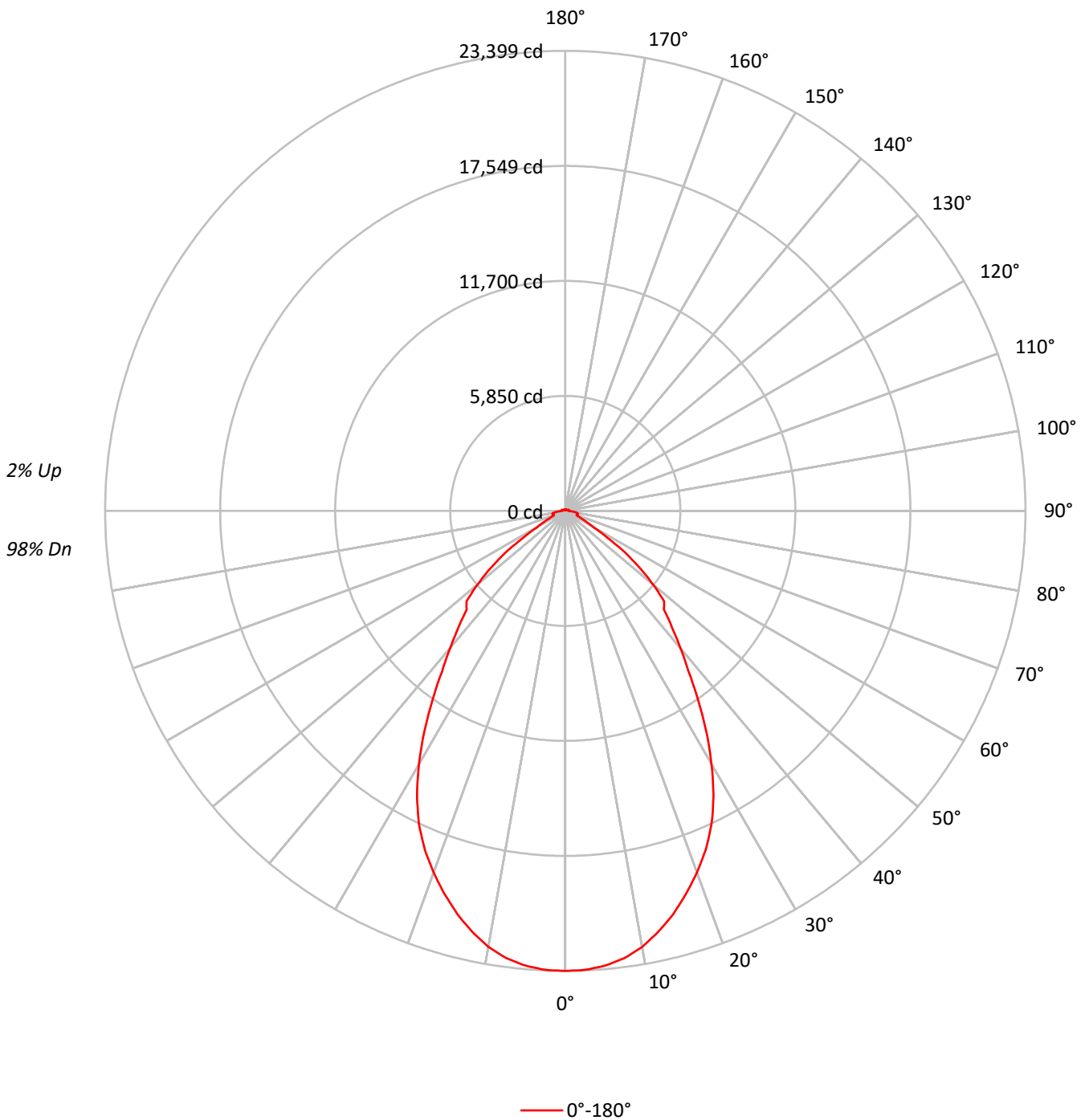
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35290.9 lumens
Efficiency: N/A
Efficacy: 151.1 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): 233.5
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				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	43				43
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°	147999
5°	142059
10°	134343
15°	124536
20°	113814
25°	102191
30°	86926
35°	69892
40°	55096
45°	44291
50°	37816
55°	25510
60°	11967
65°	6884
70°	5162
75°	6099
80°	6631
85°	4671

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 44291 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2194.4	6.2
10°-20°	5953.0	16.9
20°-30°	8013.2	22.7
30°-40°	7378.4	20.9
40°-50°	5659.8	16.0
50°-60°	3295.2	9.3
60°-70°	963.8	2.7
70°-80°	677.8	1.9
80°-90°	424.4	1.2
90°-100°	178.7	0.5
100°-110°	199.3	0.6
110°-120°	134.7	0.4
120°-130°	76.5	0.2
130°-140°	49.7	0.1
140°-150°	42.3	0.1
150°-160°	31.1	0.1
160°-170°	14.8	0.0
170°-180°	3.9	0.0
0°-30°	16160.6	45.8
0°-40°	23539.0	66.7
0°-60°	32494.0	92.1
0°-90°	34560.0	97.9
90°-120°	512.6	1.5
90°-150°	681.1	1.9
90°-180°	731.0	2.1
0°-180°	35290.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23399	
5°	23221	###
15°	21222	5953
25°	17596	8013
35°	11793	7378
45°	7093	5660
55°	3742	3295
65°	887	964
75°	652	678
85°	382	366
90°	169	102
95°	154	135
105°	196	199
115°	133	135
125°	83	76
135°	62	50
145°	68	42
155°	68	31
165°	50	15
175°	38	4
180°	36	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	23398.8
2.5°	23366.2
5°	23220.9
7.5°	22951.0
10°	22512.2
12.5°	21916.2
15°	21222.3
17.5°	20424.7
20°	19570.7
22.5°	18651.4
25°	17595.8
27.5°	16326.7
30°	14873.7
32.5°	13364.4
35°	11792.8
37.5°	10301.3
40°	9094.4
42.5°	8026.9
45°	7092.9
47.5°	6814.1
50°	5823.8
52.5°	4806.7
55°	3742.1
57.5°	2567.9
60°	1654.6
62.5°	1212.8
65°	886.6
67.5°	679.0
70°	610.8
72.5°	619.7
75°	652.4
77.5°	670.1
80°	628.6
82.5°	521.9
85°	382.5
87.5°	255.0
90°	169.0
92.5°	151.2
95°	154.2
97.5°	172.0
100°	186.8
102.5°	195.7
105°	195.7
107.5°	183.8
110°	169.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	151.2
115°	133.4
117.5°	118.6
120°	106.7
122.5°	94.9
125°	83.0
127.5°	74.1
130°	68.2
132.5°	65.2
135°	62.3
137.5°	62.3
140°	65.2
142.5°	65.2
145°	68.2
147.5°	68.2
150°	71.2
152.5°	71.2
155°	68.2
157.5°	62.3
160°	59.3
162.5°	56.3
165°	50.4
167.5°	47.4
170°	44.5
172.5°	41.5
175°	38.5
177.5°	35.6
180°	35.6

(END OF REPORT)