

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: P1175826

Luminaire Tested: UHBS2-2436-N-L83065-HIGH-3000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175826
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-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

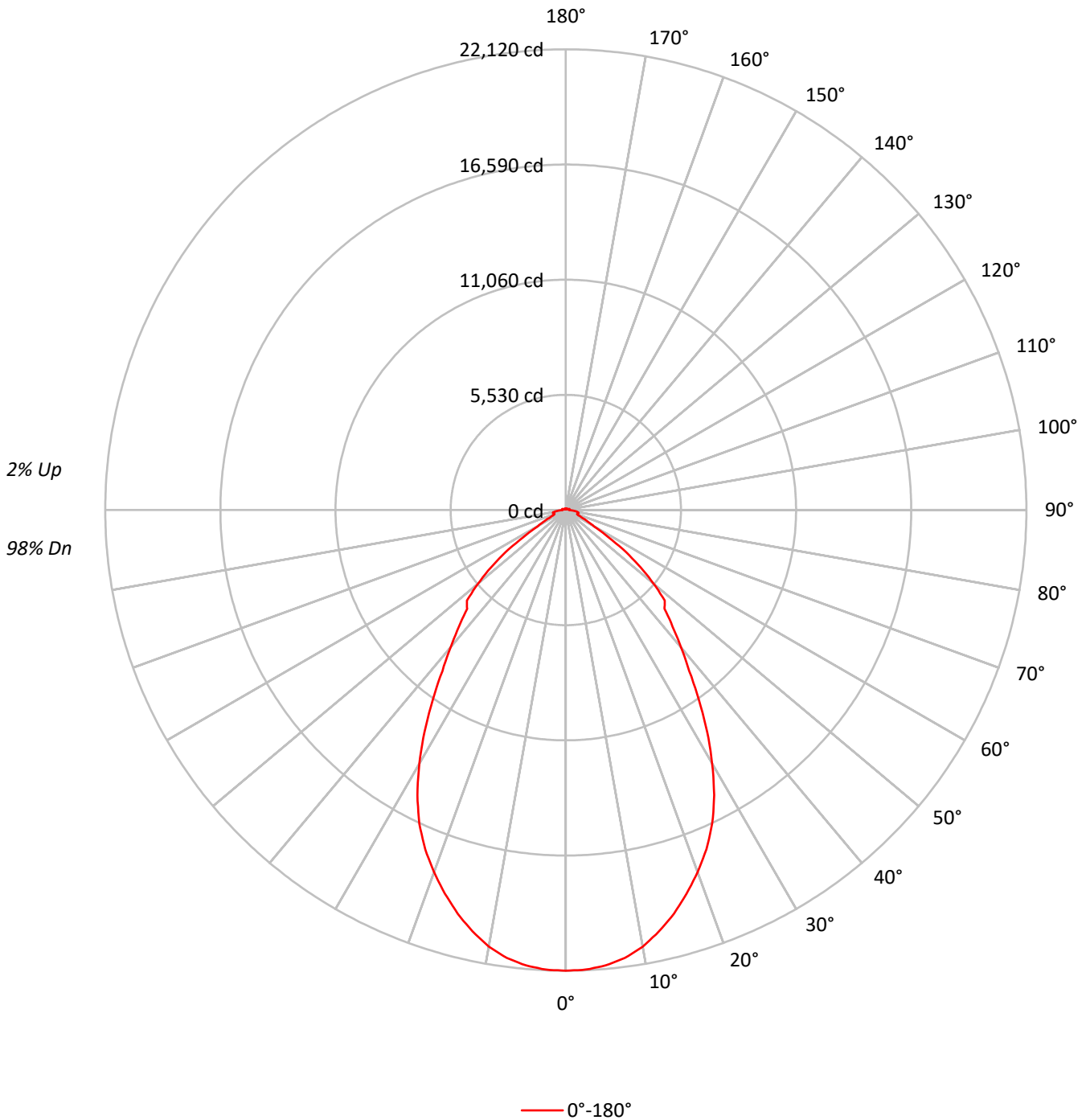
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33362.1 lumens
Efficiency: N/A
Efficacy: 139.4 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): 239.4
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		0
RCR																			
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100		98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	91	89		87
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80		78
3	96	88	82	77	94	86	81	76	83	78	74	81	76	73	78	74	71		69
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	72	68	64		62
5	84	73	66	61	82	72	65	60	70	64	60	68	63	59	66	62	58		56
6	79	67	60	55	77	67	60	54	65	58	54	63	57	53	61	56	53		51
7	74	62	55	50	72	61	54	49	60	54	49	58	53	49	57	52	48		46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44		42
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	44	41		39
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38		36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	139909
5°	134294
10°	127000
15°	117729
20°	107593
25°	96605
30°	82174
35°	66072
40°	52085
45°	41870
50°	35748
55°	24116
60°	11313
65°	6508
70°	4881
75°	5765
80°	6270
85°	4415

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 41870 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2074.5	6.2
10°-20°	5627.6	16.9
20°-30°	7575.2	22.7
30°-40°	6975.1	20.9
40°-50°	5350.4	16.0
50°-60°	3115.1	9.3
60°-70°	911.2	2.7
70°-80°	640.8	1.9
80°-90°	401.2	1.2
90°-100°	169.0	0.5
100°-110°	188.4	0.6
110°-120°	127.3	0.4
120°-130°	72.3	0.2
130°-140°	47.0	0.1
140°-150°	40.0	0.1
150°-160°	29.4	0.1
160°-170°	14.0	0.0
170°-180°	3.6	0.0
0°-30°	15277.2	45.8
0°-40°	22252.3	66.7
0°-60°	30717.8	92.1
0°-90°	32671.0	97.9
90°-120°	484.7	1.5
90°-150°	644.0	1.9
90°-180°	691.0	2.1
0°-180°	33362.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22120	
5°	21952	###
15°	20062	5628
25°	16634	7575
35°	11148	6975
45°	6705	5350
55°	3538	3115
65°	838	911
75°	617	641
85°	362	346
90°	160	96
95°	146	127
105°	185	188
115°	126	127
125°	78	72
135°	59	47
145°	64	40
155°	64	29
165°	48	14
175°	36	4
180°	34	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22119.8
2.5°	22089.0
5°	21951.6
7.5°	21696.5
10°	21281.7
12.5°	20718.2
15°	20062.3
17.5°	19308.2
20°	18500.9
22.5°	17631.9
25°	16634.0
27.5°	15434.3
30°	14060.7
32.5°	12633.9
35°	11148.2
37.5°	9738.2
40°	8597.3
42.5°	7588.2
45°	6705.2
47.5°	6441.7
50°	5505.4
52.5°	4543.9
55°	3537.6
57.5°	2427.5
60°	1564.2
62.5°	1146.5
65°	838.1
67.5°	641.9
70°	577.5
72.5°	585.9
75°	616.7
77.5°	633.5
80°	594.3
82.5°	493.4
85°	361.6
87.5°	241.1
90°	159.8
92.5°	143.0
95°	145.8
97.5°	162.6
100°	176.6
102.5°	185.0
105°	185.0
107.5°	173.8
110°	159.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	143.0
115°	126.1
117.5°	112.1
120°	100.9
122.5°	89.7
125°	78.5
127.5°	70.1
130°	64.5
132.5°	61.7
135°	58.9
137.5°	58.9
140°	61.7
142.5°	61.7
145°	64.5
147.5°	64.5
150°	67.3
152.5°	67.3
155°	64.5
157.5°	58.9
160°	56.1
162.5°	53.3
165°	47.7
167.5°	44.9
170°	42.0
172.5°	39.2
175°	36.4
177.5°	33.6
180°	33.6

(END OF REPORT)