

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: P1175812

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-HIGH-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

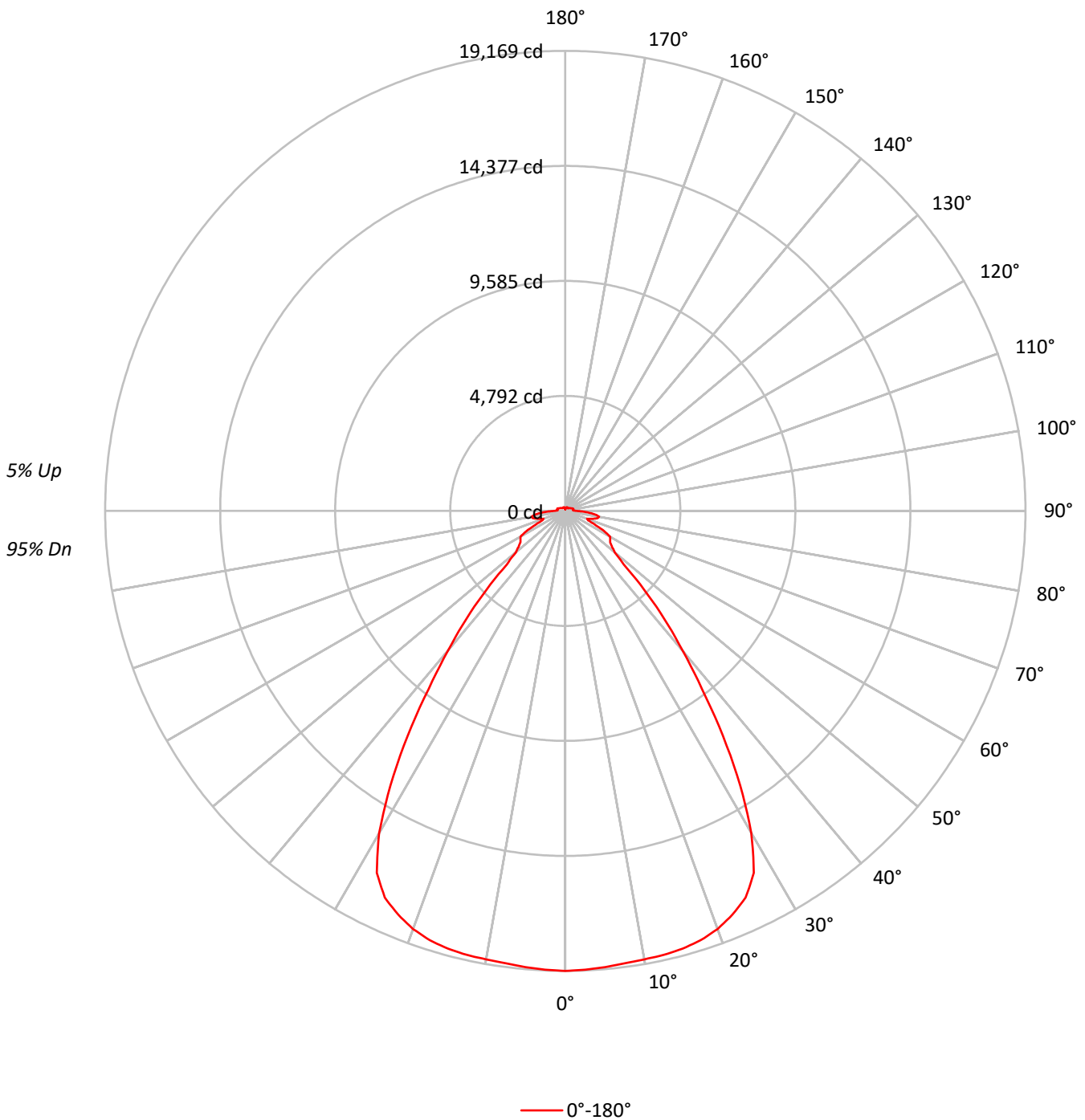
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33458.0 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
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				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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	95
1	109	105	101	98	106	102	99	96	97	95	92	93	90	88	88	87	85	88	87	85	83
2	101	94	89	84	99	92	87	83	88	84	80	84	81	78	81	78	75	81	78	75	73
3	94	86	79	73	92	84	78	73	80	75	71	77	73	69	74	70	67	74	70	67	65
4	88	78	71	65	86	77	70	64	74	68	63	71	66	62	68	64	61	68	64	61	59
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	59	55	63	59	55	53
6	77	66	58	53	75	65	58	52	63	56	52	61	55	51	59	54	50	59	54	50	48
7	72	61	53	48	71	60	53	48	58	52	47	56	51	47	55	50	46	55	50	46	44
8	68	56	49	44	66	56	49	44	54	48	43	52	47	43	51	46	42	51	46	42	41
9	64	52	45	40	63	52	45	40	50	44	40	49	43	39	48	43	39	48	43	39	37
10	61	49	42	37	59	48	42	37	47	41	37	46	40	37	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121248
5°	116738
10°	113235
15°	110835
20°	107819
25°	103269
30°	90607
35°	67855
40°	46042
45°	28960
50°	17475
55°	15546
60°	15583
65°	10586
70°	8167
75°	11671
80°	15047
85°	13070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28960 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1817.6	5.4
10°-20°	5334.1	15.9
20°-30°	8064.3	24.1
30°-40°	7111.2	21.3
40°-50°	3657.5	10.9
50°-60°	2098.1	6.3
60°-70°	1429.6	4.3
70°-80°	1302.5	3.9
80°-90°	1112.1	3.3
90°-100°	381.3	1.1
100°-110°	353.5	1.1
110°-120°	264.1	0.8
120°-130°	183.8	0.5
130°-140°	125.6	0.4
140°-150°	98.8	0.3
150°-160°	76.4	0.2
160°-170°	38.7	0.1
170°-180°	8.8	0.0
0°-30°	15216.1	45.5
0°-40°	22327.3	66.7
0°-60°	28082.9	83.9
0°-90°	31927.0	95.4
90°-120°	998.9	3.0
90°-150°	1407.0	4.2
90°-180°	1531.0	4.6
0°-180°	33458.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19169	
5°	19082	###
15°	18888	5334
25°	17781	8064
35°	11449	7111
45°	4638	3657
55°	2280	2098
65°	1363	1430
75°	1248	1302
85°	1070	945
90°	474	281
95°	318	268
105°	342	353
115°	263	264
125°	205	184
135°	159	126
145°	156	99
155°	167	76
165°	134	39
175°	85	9
180°	71	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19169.4
2.5°	19139.3
5°	19081.8
7.5°	19010.6
10°	18975.1
12.5°	18950.4
15°	18887.5
17.5°	18758.8
20°	18539.8
22.5°	18205.8
25°	17781.4
27.5°	17006.6
30°	15503.6
32.5°	13565.3
35°	11449.1
37.5°	9346.5
40°	7599.9
42.5°	6088.7
45°	4637.7
47.5°	3301.7
50°	2691.2
52.5°	2453.0
55°	2280.5
57.5°	2217.5
60°	2154.6
62.5°	1839.7
65°	1363.4
67.5°	1032.1
70°	966.4
72.5°	1078.7
75°	1248.4
77.5°	1393.5
80°	1426.3
82.5°	1314.1
85°	1070.4
87.5°	747.4
90°	473.6
92.5°	353.2
95°	317.6
97.5°	323.0
100°	334.0
102.5°	345.0
105°	342.2
107.5°	328.5
110°	306.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	284.7
115°	262.8
117.5°	246.4
120°	230.0
122.5°	219.0
125°	205.3
127.5°	188.9
130°	178.0
132.5°	167.0
135°	158.8
137.5°	156.0
140°	153.3
142.5°	156.0
145°	156.0
147.5°	158.8
150°	164.3
152.5°	167.0
155°	167.0
157.5°	164.3
160°	158.8
162.5°	147.8
165°	134.1
167.5°	120.5
170°	106.8
172.5°	95.8
175°	84.9
177.5°	76.7
180°	71.2

(END OF REPORT)