

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: P1175842

Luminaire Tested: UHBS2-2436-W-L83065-HIGH-3500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175842
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-W-L83065-HIGH-3500K-CLR6
Description: UHBS2 LED High Bay at 3500K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

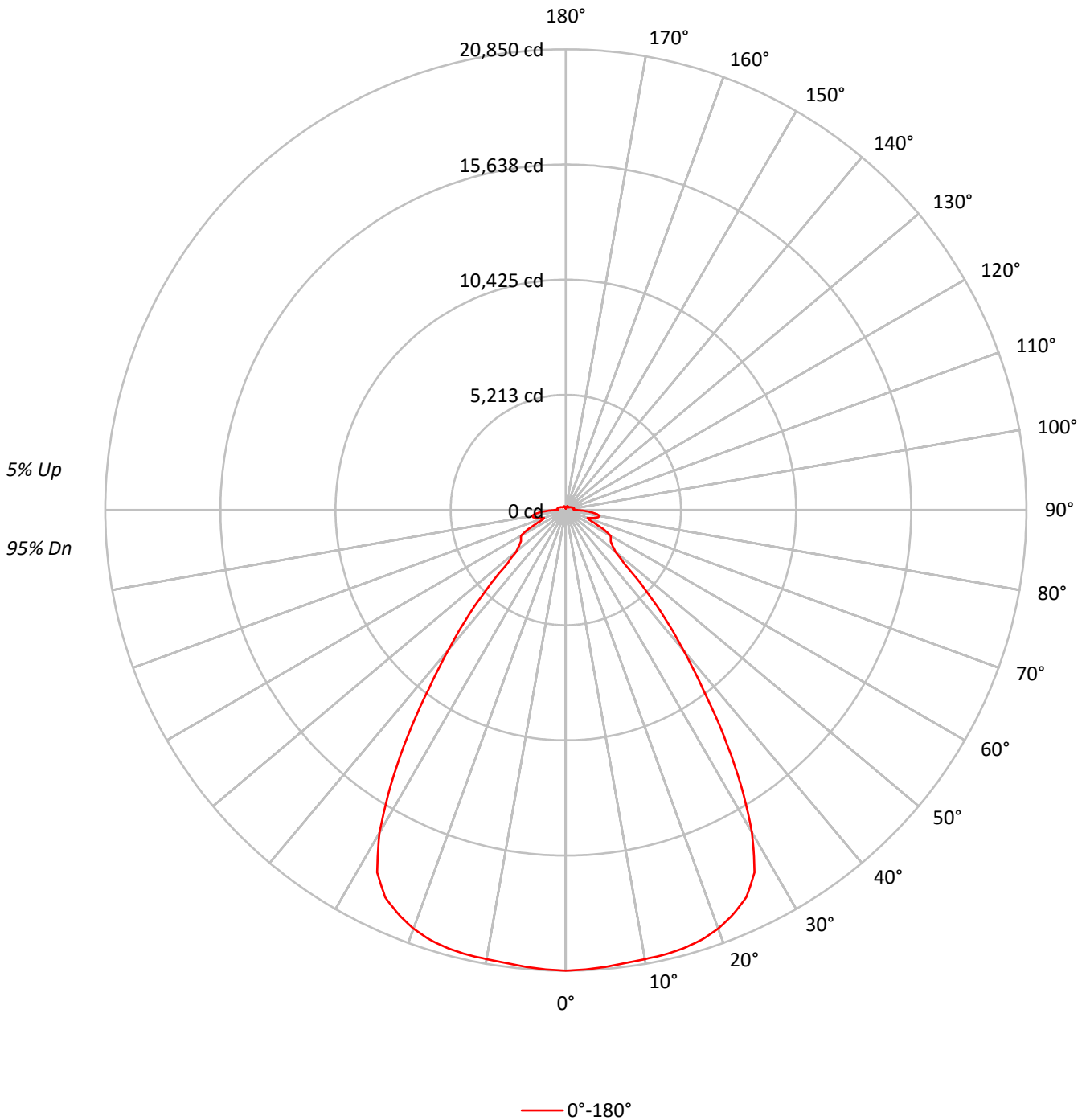
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36392.0 lumens
Efficiency: N/A
Efficacy: 154.5 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): 235.5
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	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°	131880
5°	126975
10°	123164
15°	120554
20°	117274
25°	112325
30°	98553
35°	73806
40°	50079
45°	31499
50°	19007
55°	16909
60°	16949
65°	11514
70°	8884
75°	12695
80°	16366
85°	14217

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31499 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1977.0	5.4
10°-20°	5801.9	15.9
20°-30°	8771.5	24.1
30°-40°	7734.8	21.3
40°-50°	3978.2	10.9
50°-60°	2282.1	6.3
60°-70°	1555.0	4.3
70°-80°	1416.7	3.9
80°-90°	1209.6	3.3
90°-100°	414.8	1.1
100°-110°	384.4	1.1
110°-120°	287.2	0.8
120°-130°	199.9	0.5
130°-140°	136.6	0.4
140°-150°	107.4	0.3
150°-160°	83.1	0.2
160°-170°	42.1	0.1
170°-180°	9.6	0.0
0°-30°	16550.5	45.5
0°-40°	24285.3	66.7
0°-60°	30545.5	83.9
0°-90°	34726.8	95.4
90°-120°	1086.5	3.0
90°-150°	1530.4	4.2
90°-180°	1665.0	4.6
0°-180°	36392.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20850	
5°	20755	###
15°	20544	5802
25°	19341	8772
35°	12453	7735
45°	5044	3978
55°	2480	2282
65°	1483	1555
75°	1358	1417
85°	1164	1028
90°	515	305
95°	345	292
105°	372	384
115°	286	287
125°	223	200
135°	173	137
145°	170	107
155°	182	83
165°	146	42
175°	92	10
180°	77	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20850.4
2.5°	20817.7
5°	20755.2
7.5°	20677.7
10°	20639.0
12.5°	20612.2
15°	20543.7
17.5°	20403.8
20°	20165.6
22.5°	19802.3
25°	19340.7
27.5°	18498.0
30°	16863.2
32.5°	14754.9
35°	12453.1
37.5°	10166.2
40°	8266.3
42.5°	6622.6
45°	5044.4
47.5°	3591.2
50°	2927.2
52.5°	2668.1
55°	2480.5
57.5°	2412.0
60°	2343.5
62.5°	2001.1
65°	1482.9
67.5°	1122.6
70°	1051.2
72.5°	1173.2
75°	1357.9
77.5°	1515.7
80°	1551.4
82.5°	1429.3
85°	1164.3
87.5°	812.9
90°	515.2
92.5°	384.1
95°	345.4
97.5°	351.4
100°	363.3
102.5°	375.2
105°	372.2
107.5°	357.3
110°	333.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	309.7
115°	285.9
117.5°	268.0
120°	250.1
122.5°	238.2
125°	223.3
127.5°	205.5
130°	193.6
132.5°	181.6
135°	172.7
137.5°	169.7
140°	166.8
142.5°	169.7
145°	169.7
147.5°	172.7
150°	178.7
152.5°	181.6
155°	181.6
157.5°	178.7
160°	172.7
162.5°	160.8
165°	145.9
167.5°	131.0
170°	116.1
172.5°	104.2
175°	92.3
177.5°	83.4
180°	77.4

(END OF REPORT)