

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: P1175846

Luminaire Tested: UHBS2-2436-W-L83065-LOW-3000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175846
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-LOW-3000K-CLR6
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

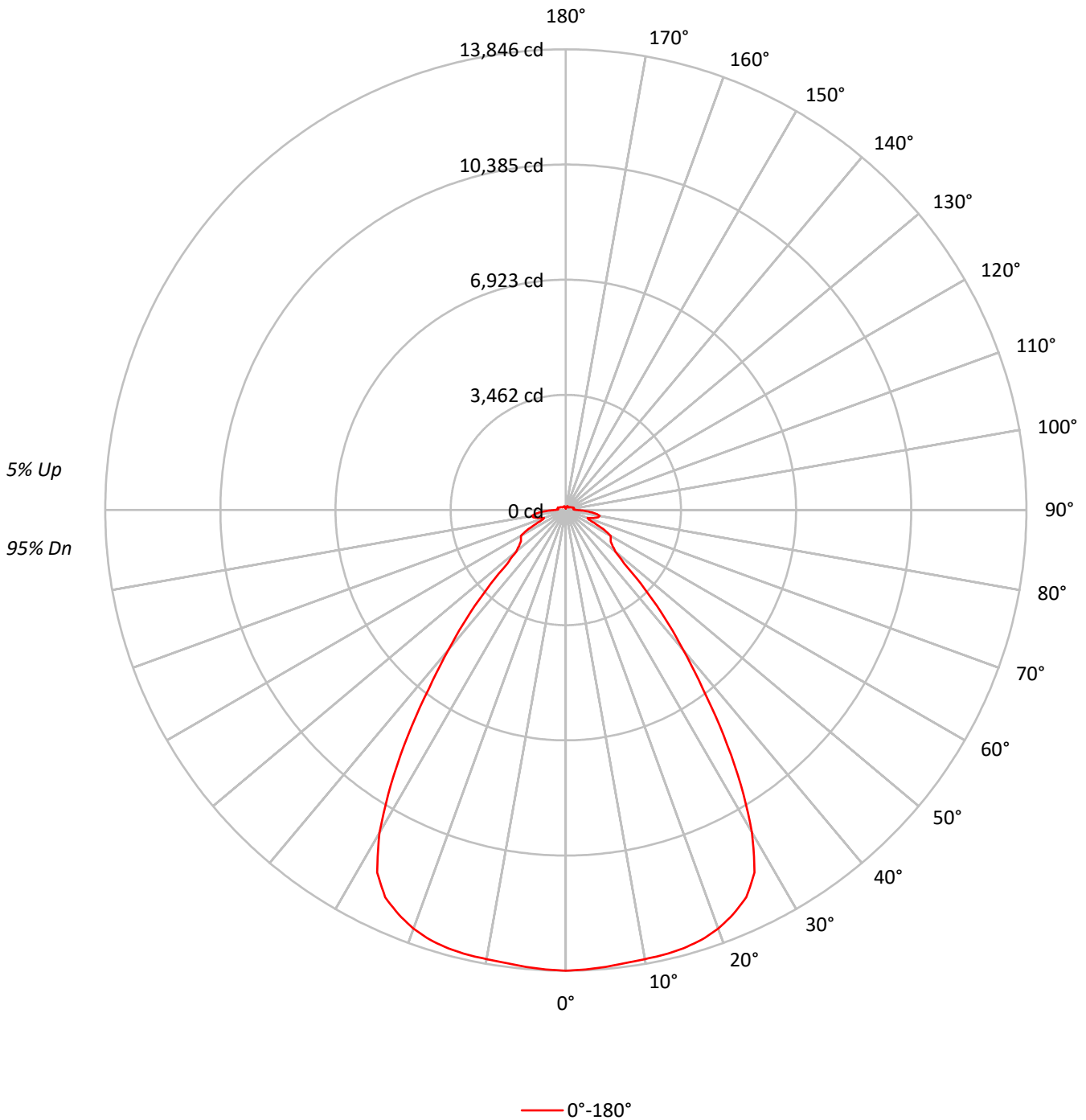
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24167.0 lumens
Efficiency: N/A
Efficacy: 154.9 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): 156
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.2
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°	87578
5°	84321
10°	81790
15°	80057
20°	77878
25°	74592
30°	65446
35°	49013
40°	33257
45°	20917
50°	12622
55°	11229
60°	11256
65°	7647
70°	5899
75°	8430
80°	10869
85°	9441

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20917 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1312.9	5.4
10°-20°	3852.9	15.9
20°-30°	5825.0	24.1
30°-40°	5136.5	21.3
40°-50°	2641.8	10.9
50°-60°	1515.5	6.3
60°-70°	1032.6	4.3
70°-80°	940.8	3.9
80°-90°	803.3	3.3
90°-100°	275.4	1.1
100°-110°	255.3	1.1
110°-120°	190.8	0.8
120°-130°	132.7	0.5
130°-140°	90.7	0.4
140°-150°	71.3	0.3
150°-160°	55.2	0.2
160°-170°	28.0	0.1
170°-180°	6.4	0.0
0°-30°	10990.7	45.5
0°-40°	16127.2	66.7
0°-60°	20284.5	83.9
0°-90°	23061.2	95.4
90°-120°	721.5	3.0
90°-150°	1016.3	4.2
90°-180°	1106.0	4.6
0°-180°	24167.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13846	
5°	13783	###
15°	13643	3853
25°	12844	5825
35°	8270	5137
45°	3350	2642
55°	1647	1515
65°	985	1033
75°	902	941
85°	773	682
90°	342	203
95°	229	194
105°	247	255
115°	190	191
125°	148	133
135°	115	91
145°	113	71
155°	121	55
165°	97	28
175°	61	6
180°	51	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13846.2
2.5°	13824.5
5°	13783.0
7.5°	13731.6
10°	13705.8
12.5°	13688.0
15°	13642.6
17.5°	13549.6
20°	13391.4
22.5°	13150.2
25°	12843.7
27.5°	12284.0
30°	11198.4
32.5°	9798.4
35°	8269.8
37.5°	6751.1
40°	5489.5
42.5°	4397.9
45°	3349.8
47.5°	2384.8
50°	1943.9
52.5°	1771.8
55°	1647.2
57.5°	1601.8
60°	1556.3
62.5°	1328.9
65°	984.8
67.5°	745.5
70°	698.0
72.5°	779.1
75°	901.7
77.5°	1006.5
80°	1030.3
82.5°	949.2
85°	773.2
87.5°	539.8
90°	342.1
92.5°	255.1
95°	229.4
97.5°	233.3
100°	241.3
102.5°	249.2
105°	247.2
107.5°	237.3
110°	221.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	205.7
115°	189.8
117.5°	178.0
120°	166.1
122.5°	158.2
125°	148.3
127.5°	136.4
130°	128.5
132.5°	120.6
135°	114.7
137.5°	112.7
140°	110.7
142.5°	112.7
145°	112.7
147.5°	114.7
150°	118.6
152.5°	120.6
155°	120.6
157.5°	118.6
160°	114.7
162.5°	106.8
165°	96.9
167.5°	87.0
170°	77.1
172.5°	69.2
175°	61.3
177.5°	55.4
180°	51.4

(END OF REPORT)