

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: P1175817

Luminaire Tested: UHBS2-2436-M-L83065-LOW-3500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175817
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-LOW-3500K-CLR6
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

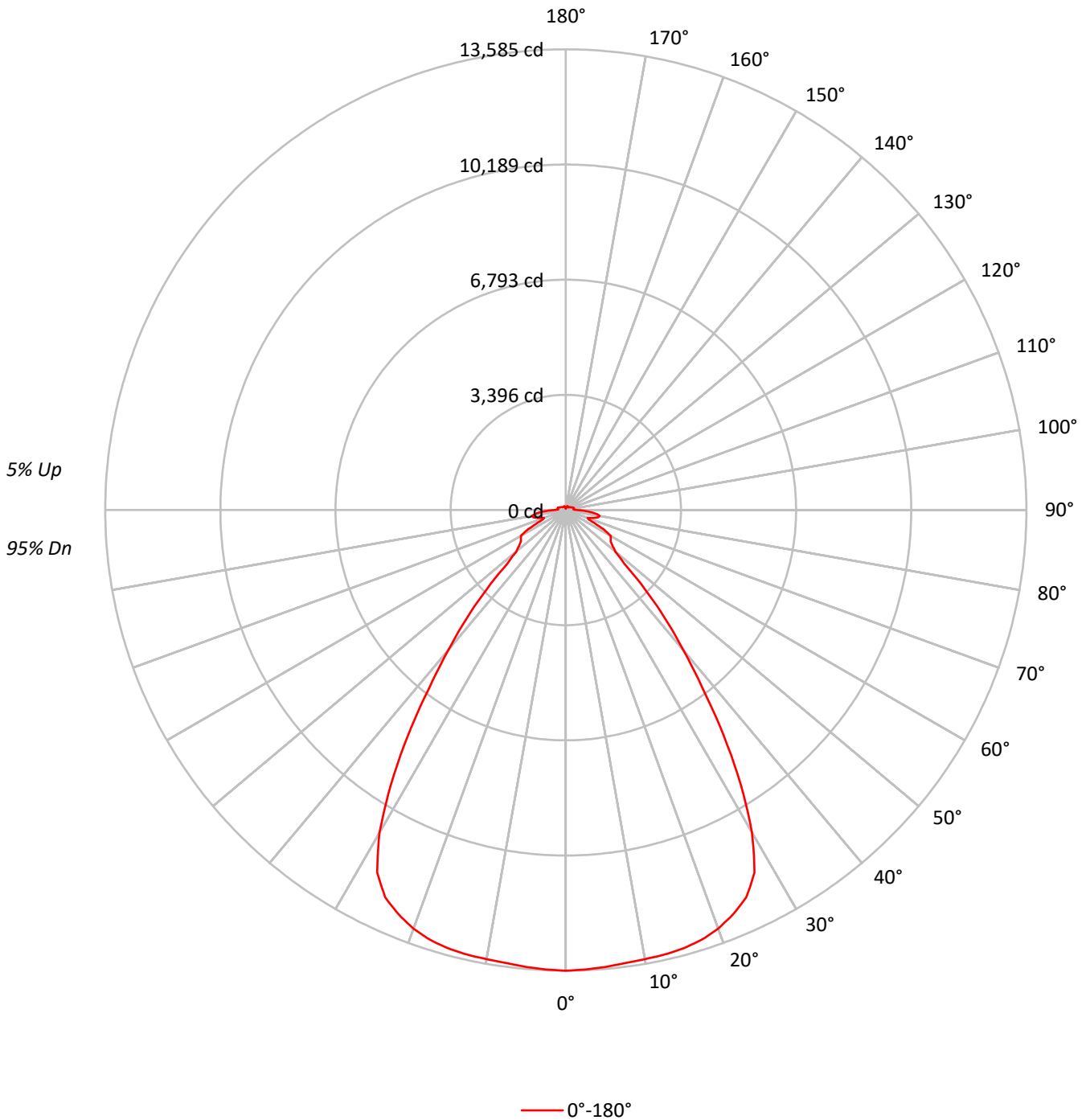
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23711.0 lumens
Efficiency: N/A
Efficacy: 153.6 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): 154.4
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°	85926
5°	82730
10°	80247
15°	78546
20°	76409
25°	73184
30°	64211
35°	48087
40°	32629
45°	20523
50°	12384
55°	11017
60°	11043
65°	7502
70°	5788
75°	8271
80°	10663
85°	9263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20523 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1288.1	5.4
10°-20°	3780.2	15.9
20°-30°	5715.1	24.1
30°-40°	5039.6	21.3
40°-50°	2591.9	10.9
50°-60°	1486.9	6.3
60°-70°	1013.1	4.3
70°-80°	923.0	3.9
80°-90°	788.1	3.3
90°-100°	270.2	1.1
100°-110°	250.5	1.1
110°-120°	187.2	0.8
120°-130°	130.2	0.5
130°-140°	89.0	0.4
140°-150°	70.0	0.3
150°-160°	54.1	0.2
160°-170°	27.4	0.1
170°-180°	6.2	0.0
0°-30°	10783.4	45.5
0°-40°	15822.9	66.7
0°-60°	19901.8	83.9
0°-90°	22626.0	95.4
90°-120°	707.9	3.0
90°-150°	997.1	4.2
90°-180°	1085.0	4.6
0°-180°	23711.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13585	
5°	13523	###
15°	13385	3780
25°	12601	5715
35°	8114	5040
45°	3287	2592
55°	1616	1487
65°	966	1013
75°	885	923
85°	759	670
90°	336	199
95°	225	190
105°	242	250
115°	186	187
125°	146	130
135°	112	89
145°	111	70
155°	118	54
165°	95	27
175°	60	6
180°	50	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13585.0
2.5°	13563.6
5°	13522.9
7.5°	13472.5
10°	13447.2
12.5°	13429.8
15°	13385.2
17.5°	13294.0
20°	13138.8
22.5°	12902.1
25°	12601.3
27.5°	12052.3
30°	10987.1
32.5°	9613.5
35°	8113.7
37.5°	6623.7
40°	5385.9
42.5°	4314.9
45°	3286.6
47.5°	2339.8
50°	1907.2
52.5°	1738.4
55°	1616.2
57.5°	1571.5
60°	1526.9
62.5°	1303.8
65°	966.2
67.5°	731.4
70°	684.9
72.5°	764.4
75°	884.7
77.5°	987.5
80°	1010.8
82.5°	931.3
85°	758.6
87.5°	529.7
90°	335.6
92.5°	250.3
95°	225.1
97.5°	228.9
100°	236.7
102.5°	244.5
105°	242.5
107.5°	232.8
110°	217.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	201.8
115°	186.3
117.5°	174.6
120°	163.0
122.5°	155.2
125°	145.5
127.5°	133.9
130°	126.1
132.5°	118.3
135°	112.5
137.5°	110.6
140°	108.6
142.5°	110.6
145°	110.6
147.5°	112.5
150°	116.4
152.5°	118.3
155°	118.3
157.5°	116.4
160°	112.5
162.5°	104.8
165°	95.1
167.5°	85.4
170°	75.7
172.5°	67.9
175°	60.1
177.5°	54.3
180°	50.4

(END OF REPORT)