

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: P1175819

Luminaire Tested: UHBS2-2436-M-L83065-LOW-5000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175819
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-5000K-CLR6
Description: UHBS2 LED High Bay at 5000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

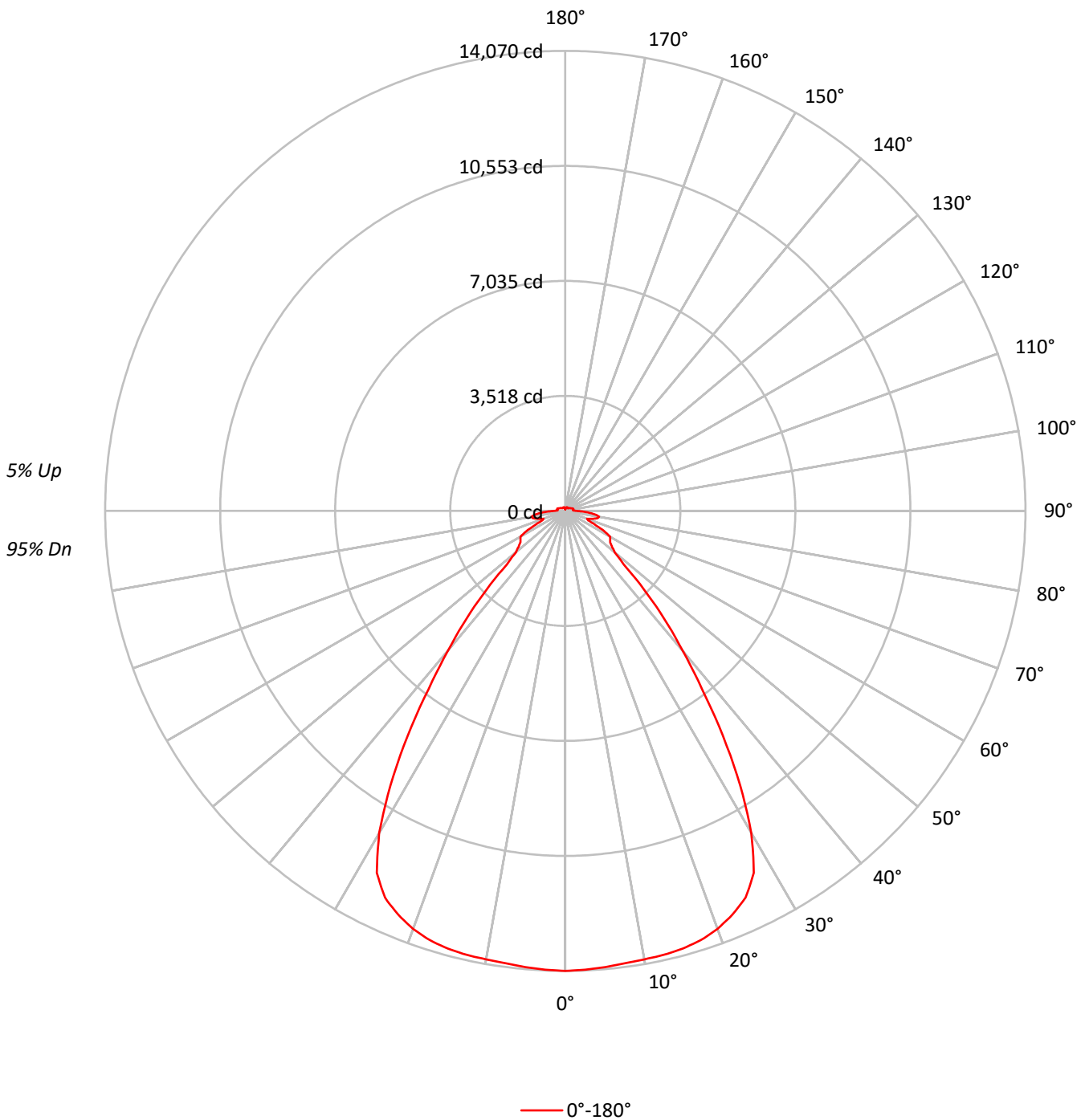
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24557.0 lumens
Efficiency: N/A
Efficacy: 159.8 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): 153.7
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°	88992
5°	85681
10°	83110
15°	81349
20°	79135
25°	75796
30°	66502
35°	49803
40°	33793
45°	21255
50°	12826
55°	11410
60°	11437
65°	7770
70°	5994
75°	8566
80°	11044
85°	9594

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21255 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1334.1	5.4
10°-20°	3915.1	15.9
20°-30°	5918.9	24.1
30°-40°	5219.4	21.3
40°-50°	2684.4	10.9
50°-60°	1539.9	6.3
60°-70°	1049.3	4.3
70°-80°	956.0	3.9
80°-90°	816.3	3.3
90°-100°	279.9	1.1
100°-110°	259.4	1.1
110°-120°	193.8	0.8
120°-130°	134.9	0.5
130°-140°	92.2	0.4
140°-150°	72.5	0.3
150°-160°	56.1	0.2
160°-170°	28.4	0.1
170°-180°	6.5	0.0
0°-30°	11168.1	45.5
0°-40°	16387.5	66.7
0°-60°	20611.8	83.9
0°-90°	23433.3	95.4
90°-120°	733.1	3.0
90°-150°	1032.7	4.2
90°-180°	1124.0	4.6
0°-180°	24557.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14070	
5°	14005	###
15°	13863	3915
25°	13051	5919
35°	8403	5219
45°	3404	2684
55°	1674	1540
65°	1001	1049
75°	916	956
85°	786	693
90°	348	206
95°	233	197
105°	251	259
115°	193	194
125°	151	135
135°	116	92
145°	114	72
155°	123	56
165°	98	28
175°	62	6
180°	52	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14069.7
2.5°	14047.6
5°	14005.4
7.5°	13953.1
10°	13927.0
12.5°	13908.9
15°	13862.7
17.5°	13768.3
20°	13607.5
22.5°	13362.4
25°	13050.9
27.5°	12482.3
30°	11379.1
32.5°	9956.5
35°	8403.2
37.5°	6860.0
40°	5578.0
42.5°	4468.9
45°	3403.9
47.5°	2423.3
50°	1975.2
52.5°	1800.4
55°	1673.8
57.5°	1627.6
60°	1581.4
62.5°	1350.3
65°	1000.7
67.5°	757.5
70°	709.3
72.5°	791.7
75°	916.3
77.5°	1022.8
80°	1046.9
82.5°	964.5
85°	785.7
87.5°	548.6
90°	347.6
92.5°	259.2
95°	233.1
97.5°	237.1
100°	245.1
102.5°	253.2
105°	251.2
107.5°	241.1
110°	225.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	209.0
115°	192.9
117.5°	180.8
120°	168.8
122.5°	160.8
125°	150.7
127.5°	138.6
130°	130.6
132.5°	122.6
135°	116.5
137.5°	114.5
140°	112.5
142.5°	114.5
145°	114.5
147.5°	116.5
150°	120.6
152.5°	122.6
155°	122.6
157.5°	120.6
160°	116.5
162.5°	108.5
165°	98.5
167.5°	88.4
170°	78.4
172.5°	70.3
175°	62.3
177.5°	56.3
180°	52.2

(END OF REPORT)