

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: P1175848

Luminaire Tested: UHBS2-2436-W-L83065-LOW-4000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175848
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-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

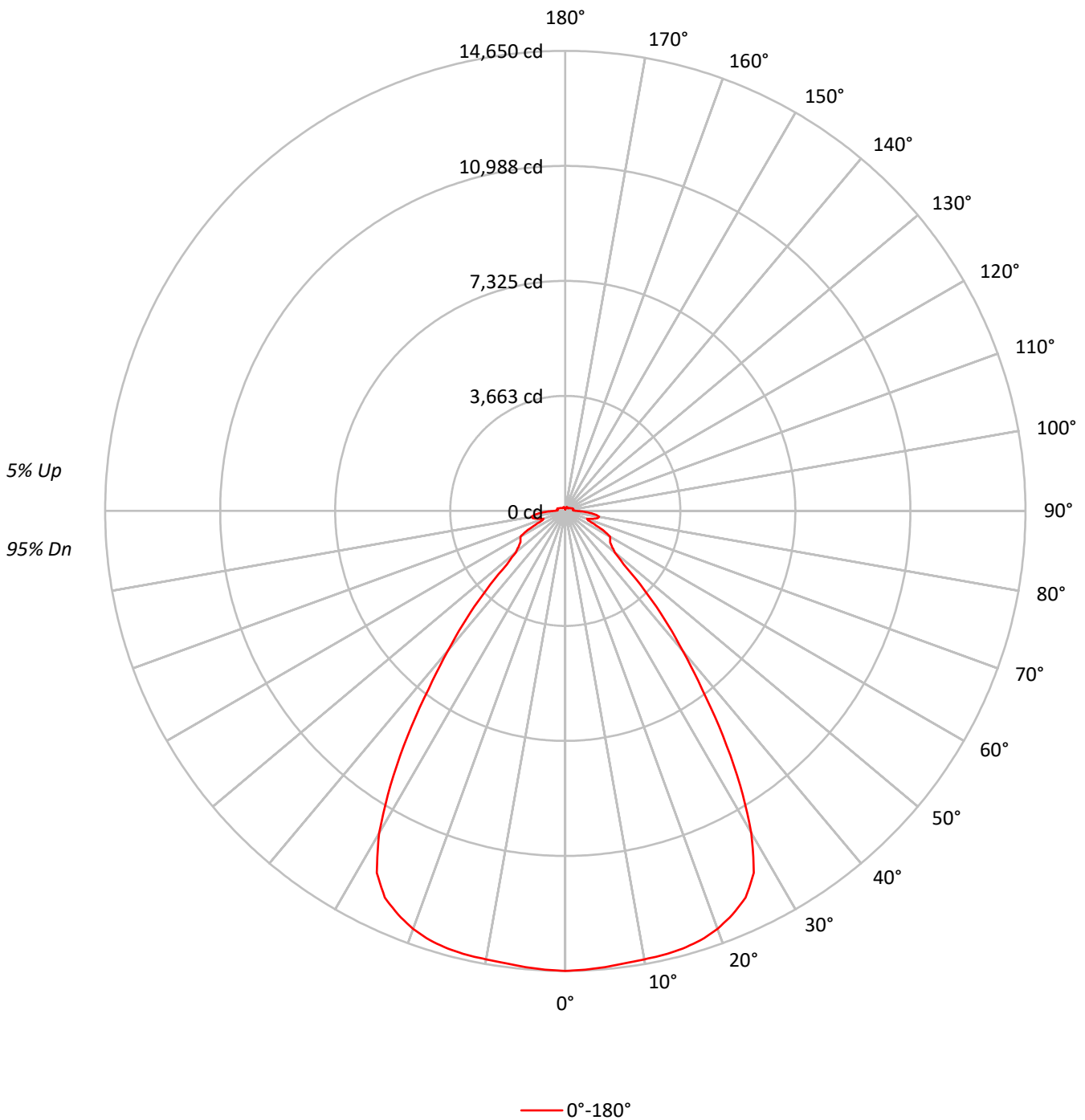
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25570.1 lumens
Efficiency: N/A
Efficacy: 167.3 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): 152.8
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°	92663
5°	89216
10°	86539
15°	84705
20°	82400
25°	78922
30°	69246
35°	51858
40°	35187
45°	22132
50°	13355
55°	11881
60°	11909
65°	8091
70°	6242
75°	8920
80°	11500
85°	9990

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22132 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1389.1	5.4
10°-20°	4076.6	15.9
20°-30°	6163.1	24.1
30°-40°	5434.7	21.3
40°-50°	2795.2	10.9
50°-60°	1603.4	6.3
60°-70°	1092.6	4.3
70°-80°	995.4	3.9
80°-90°	849.9	3.3
90°-100°	291.4	1.1
100°-110°	270.1	1.1
110°-120°	201.8	0.8
120°-130°	140.5	0.5
130°-140°	96.0	0.4
140°-150°	75.5	0.3
150°-160°	58.4	0.2
160°-170°	29.6	0.1
170°-180°	6.7	0.0
0°-30°	11628.8	45.5
0°-40°	17063.5	66.7
0°-60°	21462.1	83.9
0°-90°	24400.0	95.4
90°-120°	763.4	3.0
90°-150°	1075.4	4.2
90°-180°	1170.0	4.6
0°-180°	25570.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14650	
5°	14583	###
15°	14435	4077
25°	13589	6163
35°	8750	5435
45°	3544	2795
55°	1743	1603
65°	1042	1093
75°	954	995
85°	818	722
90°	362	214
95°	243	205
105°	262	270
115°	201	202
125°	157	140
135°	121	96
145°	119	76
155°	128	58
165°	102	30
175°	65	7
180°	54	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14650.1
2.5°	14627.1
5°	14583.1
7.5°	14528.7
10°	14501.5
12.5°	14482.7
15°	14434.6
17.5°	14336.2
20°	14168.9
22.5°	13913.6
25°	13589.3
27.5°	12997.2
30°	11848.5
32.5°	10367.2
35°	8749.9
37.5°	7143.0
40°	5808.1
42.5°	4653.2
45°	3544.3
47.5°	2523.3
50°	2056.7
52.5°	1874.7
55°	1742.9
57.5°	1694.7
60°	1646.6
62.5°	1406.0
65°	1042.0
67.5°	788.8
70°	738.6
72.5°	824.4
75°	954.1
77.5°	1065.0
80°	1090.1
82.5°	1004.3
85°	818.1
87.5°	571.2
90°	362.0
92.5°	269.9
95°	242.7
97.5°	246.9
100°	255.3
102.5°	263.6
105°	261.5
107.5°	251.1
110°	234.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	217.6
115°	200.9
117.5°	188.3
120°	175.8
122.5°	167.4
125°	156.9
127.5°	144.4
130°	136.0
132.5°	127.6
135°	121.4
137.5°	119.3
140°	117.2
142.5°	119.3
145°	119.3
147.5°	121.4
150°	125.5
152.5°	127.6
155°	127.6
157.5°	125.5
160°	121.4
162.5°	113.0
165°	102.5
167.5°	92.1
170°	81.6
172.5°	73.2
175°	64.9
177.5°	58.6
180°	54.4

(END OF REPORT)