

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: P1175813

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175813
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-HIGH-3500K-CLR6
Description: UHBS2 LED High Bay at 3500K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

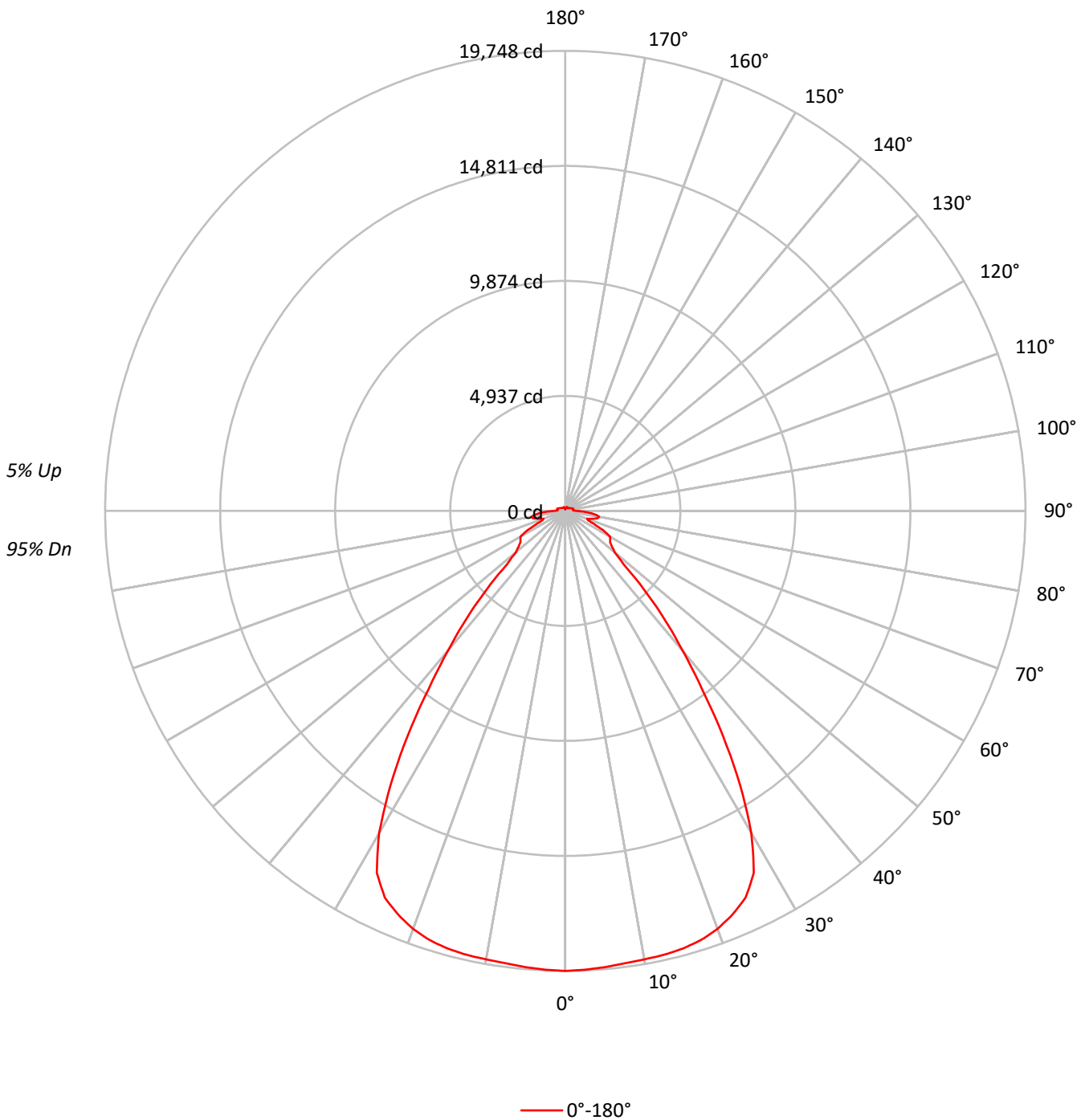
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34468.0 lumens
Efficiency: N/A
Efficacy: 146.4 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

TEST NUMBER: P1175813
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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°	124908
5°	120262
10°	116653
15°	114180
20°	111074
25°	106386
30°	93343
35°	69904
40°	47432
45°	29834
50°	18002
55°	16016
60°	16053
65°	10906
70°	8414
75°	12023
80°	15501
85°	13466

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29834 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1872.5	5.4
10°-20°	5495.1	15.9
20°-30°	8307.8	24.1
30°-40°	7325.9	21.3
40°-50°	3767.9	10.9
50°-60°	2161.4	6.3
60°-70°	1472.8	4.3
70°-80°	1341.8	3.9
80°-90°	1145.7	3.3
90°-100°	392.8	1.1
100°-110°	364.1	1.1
110°-120°	272.1	0.8
120°-130°	189.3	0.5
130°-140°	129.4	0.4
140°-150°	101.8	0.3
150°-160°	78.7	0.2
160°-170°	39.9	0.1
170°-180°	9.1	0.0
0°-30°	15675.5	45.5
0°-40°	23001.3	66.7
0°-60°	28930.6	83.9
0°-90°	32890.9	95.4
90°-120°	1029.0	3.0
90°-150°	1449.5	4.2
90°-180°	1577.0	4.6
0°-180°	34468.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19748	
5°	19658	###
15°	19458	5495
25°	18318	8308
35°	11795	7326
45°	4778	3768
55°	2349	2161
65°	1404	1473
75°	1286	1342
85°	1103	973
90°	488	289
95°	327	276
105°	352	364
115°	271	272
125°	212	189
135°	164	129
145°	161	102
155°	172	79
165°	138	40
175°	87	9
180°	73	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19748.1
2.5°	19717.1
5°	19657.9
7.5°	19584.5
10°	19547.9
12.5°	19522.5
15°	19457.6
17.5°	19325.1
20°	19099.4
22.5°	18755.3
25°	18318.2
27.5°	17520.0
30°	15971.7
32.5°	13974.8
35°	11794.7
37.5°	9628.7
40°	7829.3
42.5°	6272.5
45°	4777.7
47.5°	3401.3
50°	2772.4
52.5°	2527.0
55°	2349.4
57.5°	2284.5
60°	2219.6
62.5°	1895.3
65°	1404.5
67.5°	1063.3
70°	995.6
72.5°	1111.2
75°	1286.1
77.5°	1435.6
80°	1469.4
82.5°	1353.8
85°	1102.8
87.5°	770.0
90°	487.9
92.5°	363.8
95°	327.2
97.5°	332.8
100°	344.1
102.5°	355.4
105°	352.5
107.5°	338.4
110°	315.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	293.3
115°	270.8
117.5°	253.8
120°	236.9
122.5°	225.6
125°	211.5
127.5°	194.6
130°	183.3
132.5°	172.0
135°	163.6
137.5°	160.8
140°	157.9
142.5°	160.8
145°	160.8
147.5°	163.6
150°	169.2
152.5°	172.0
155°	172.0
157.5°	169.2
160°	163.6
162.5°	152.3
165°	138.2
167.5°	124.1
170°	110.0
172.5°	98.7
175°	87.4
177.5°	79.0
180°	73.3

(END OF REPORT)