

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: P1175820

Luminaire Tested: UHBS2-2436-M-L83065-LOW-6500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175820
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-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

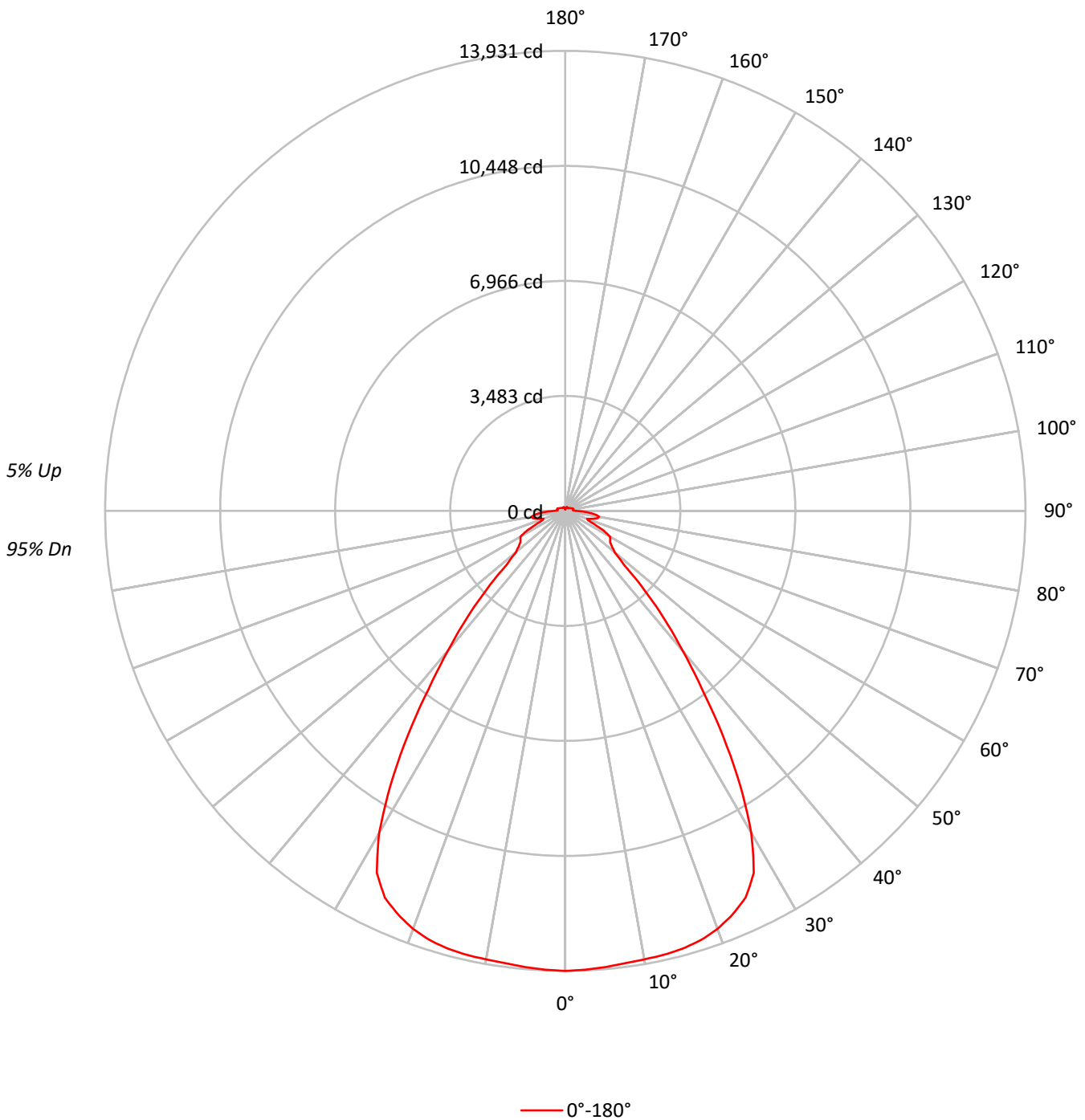
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24315.0 lumens
Efficiency: N/A
Efficacy: 157.7 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): 154.2
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°	88114
5°	84837
10°	82291
15°	80547
20°	78355
25°	75049
30°	65847
35°	49312
40°	33460
45°	21045
50°	12700
55°	11298
60°	11325
65°	7693
70°	5935
75°	8481
80°	10936
85°	9499

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21045 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1320.9	5.4
10°-20°	3876.5	15.9
20°-30°	5860.6	24.1
30°-40°	5167.9	21.3
40°-50°	2658.0	10.9
50°-60°	1524.8	6.3
60°-70°	1038.9	4.3
70°-80°	946.5	3.9
80°-90°	808.2	3.3
90°-100°	277.1	1.1
100°-110°	256.9	1.1
110°-120°	191.9	0.8
120°-130°	133.6	0.5
130°-140°	91.3	0.4
140°-150°	71.8	0.3
150°-160°	55.6	0.2
160°-170°	28.1	0.1
170°-180°	6.4	0.0
0°-30°	11058.0	45.5
0°-40°	16226.0	66.7
0°-60°	20408.7	83.9
0°-90°	23202.4	95.4
90°-120°	725.9	3.0
90°-150°	1022.5	4.2
90°-180°	1113.0	4.6
0°-180°	24315.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13931	
5°	13867	###
15°	13726	3876
25°	12922	5861
35°	8320	5168
45°	3370	2658
55°	1657	1525
65°	991	1039
75°	907	947
85°	778	687
90°	344	204
95°	231	195
105°	249	257
115°	191	192
125°	149	134
135°	115	91
145°	113	72
155°	121	56
165°	98	28
175°	62	6
180°	52	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13931.0
2.5°	13909.2
5°	13867.4
7.5°	13815.6
10°	13789.8
12.5°	13771.9
15°	13726.1
17.5°	13632.6
20°	13473.4
22.5°	13230.7
25°	12922.3
27.5°	12359.3
30°	11267.0
32.5°	9858.4
35°	8320.4
37.5°	6792.4
40°	5523.1
42.5°	4424.8
45°	3370.3
47.5°	2399.4
50°	1955.8
52.5°	1782.7
55°	1657.3
57.5°	1611.6
60°	1565.8
62.5°	1337.0
65°	990.8
67.5°	750.1
70°	702.3
72.5°	783.9
75°	907.2
77.5°	1012.7
80°	1036.6
82.5°	955.0
85°	777.9
87.5°	543.2
90°	344.2
92.5°	256.7
95°	230.8
97.5°	234.8
100°	242.7
102.5°	250.7
105°	248.7
107.5°	238.7
110°	222.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	206.9
115°	191.0
117.5°	179.1
120°	167.1
122.5°	159.2
125°	149.2
127.5°	137.3
130°	129.3
132.5°	121.4
135°	115.4
137.5°	113.4
140°	111.4
142.5°	113.4
145°	113.4
147.5°	115.4
150°	119.4
152.5°	121.4
155°	121.4
157.5°	119.4
160°	115.4
162.5°	107.4
165°	97.5
167.5°	87.5
170°	77.6
172.5°	69.6
175°	61.7
177.5°	55.7
180°	51.7

(END OF REPORT)