

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: P1175847

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175847
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-3500K-CLR6
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

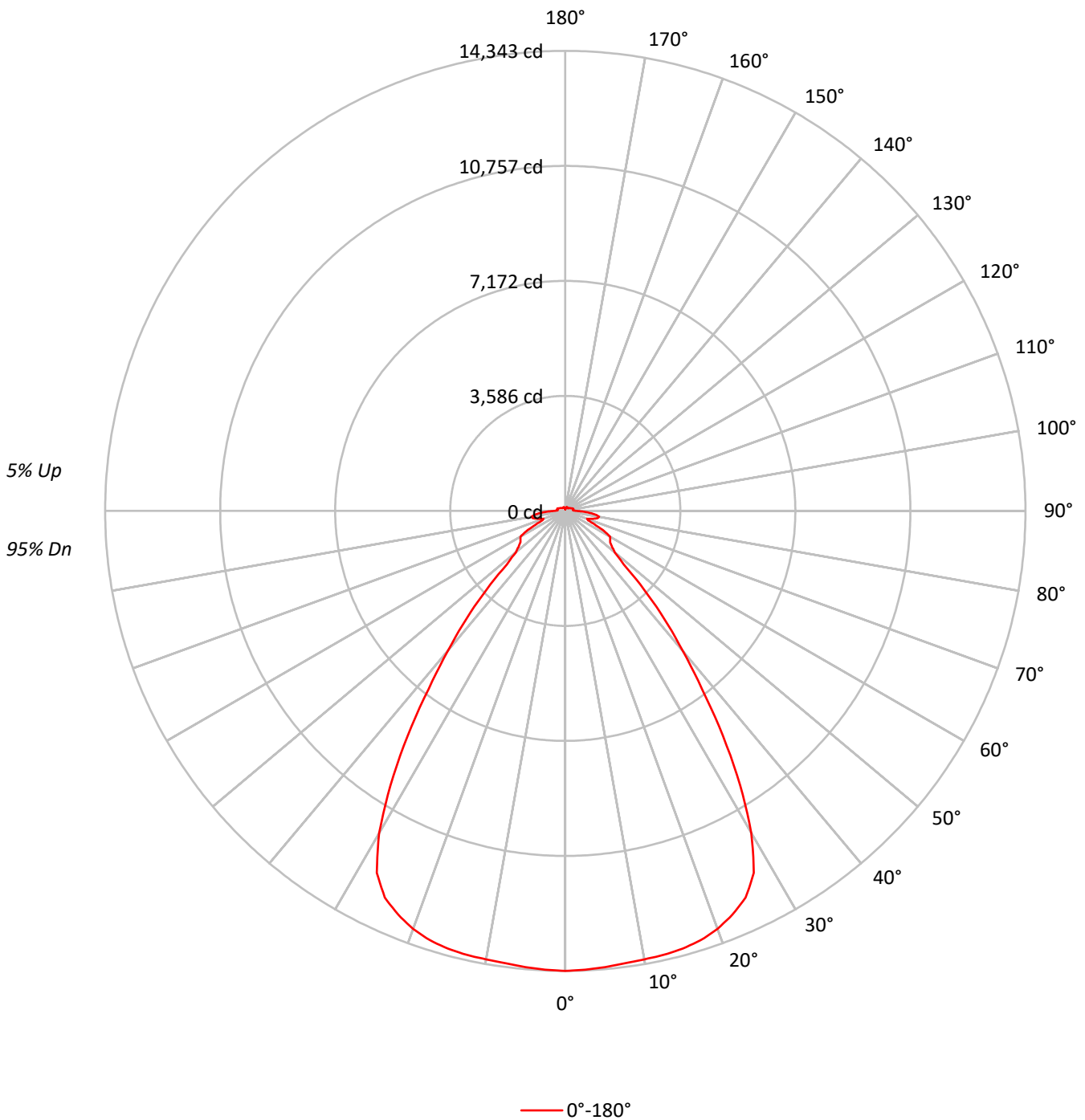
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25034.0 lumens
Efficiency: N/A
Efficacy: 162.1 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°	90720
5°	87345
10°	84724
15°	82929
20°	80673
25°	77268
30°	67795
35°	50771
40°	34450
45°	21668
50°	13075
55°	11632
60°	11659
65°	7921
70°	6111
75°	8733
80°	11258
85°	9779

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21668 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1360.0	5.4
10°-20°	3991.1	15.9
20°-30°	6033.9	24.1
30°-40°	5320.8	21.3
40°-50°	2736.6	10.9
50°-60°	1569.8	6.3
60°-70°	1069.7	4.3
70°-80°	974.5	3.9
80°-90°	832.1	3.3
90°-100°	285.3	1.1
100°-110°	264.5	1.1
110°-120°	197.6	0.8
120°-130°	137.5	0.5
130°-140°	94.0	0.4
140°-150°	73.9	0.3
150°-160°	57.2	0.2
160°-170°	29.0	0.1
170°-180°	6.6	0.0
0°-30°	11385.0	45.5
0°-40°	16705.8	66.7
0°-60°	21012.2	83.9
0°-90°	23888.5	95.4
90°-120°	747.4	3.0
90°-150°	1052.8	4.2
90°-180°	1145.0	4.6
0°-180°	25034.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14343	
5°	14277	###
15°	14132	3991
25°	13304	6034
35°	8566	5321
45°	3470	2737
55°	1706	1570
65°	1020	1070
75°	934	975
85°	801	707
90°	354	210
95°	238	201
105°	256	264
115°	197	198
125°	154	137
135°	119	94
145°	117	74
155°	125	57
165°	100	29
175°	64	7
180°	53	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14343.0
2.5°	14320.5
5°	14277.4
7.5°	14224.2
10°	14197.5
12.5°	14179.1
15°	14132.0
17.5°	14035.7
20°	13871.9
22.5°	13621.9
25°	13304.4
27.5°	12724.7
30°	11600.2
32.5°	10149.9
35°	8566.5
37.5°	6993.3
40°	5686.4
42.5°	4555.7
45°	3470.0
47.5°	2470.4
50°	2013.6
52.5°	1835.4
55°	1706.3
57.5°	1659.2
60°	1612.1
62.5°	1376.5
65°	1020.1
67.5°	772.3
70°	723.1
72.5°	807.1
75°	934.1
77.5°	1042.6
80°	1067.2
82.5°	983.2
85°	800.9
87.5°	559.2
90°	354.4
92.5°	264.2
95°	237.6
97.5°	241.7
100°	249.9
102.5°	258.1
105°	256.1
107.5°	245.8
110°	229.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	213.0
115°	196.6
117.5°	184.4
120°	172.1
122.5°	163.9
125°	153.6
127.5°	141.3
130°	133.1
132.5°	125.0
135°	118.8
137.5°	116.8
140°	114.7
142.5°	116.8
145°	116.8
147.5°	118.8
150°	122.9
152.5°	125.0
155°	125.0
157.5°	122.9
160°	118.8
162.5°	110.6
165°	100.4
167.5°	90.1
170°	79.9
172.5°	71.7
175°	63.5
177.5°	57.4
180°	53.3

(END OF REPORT)