

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: P1175850

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175850
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-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

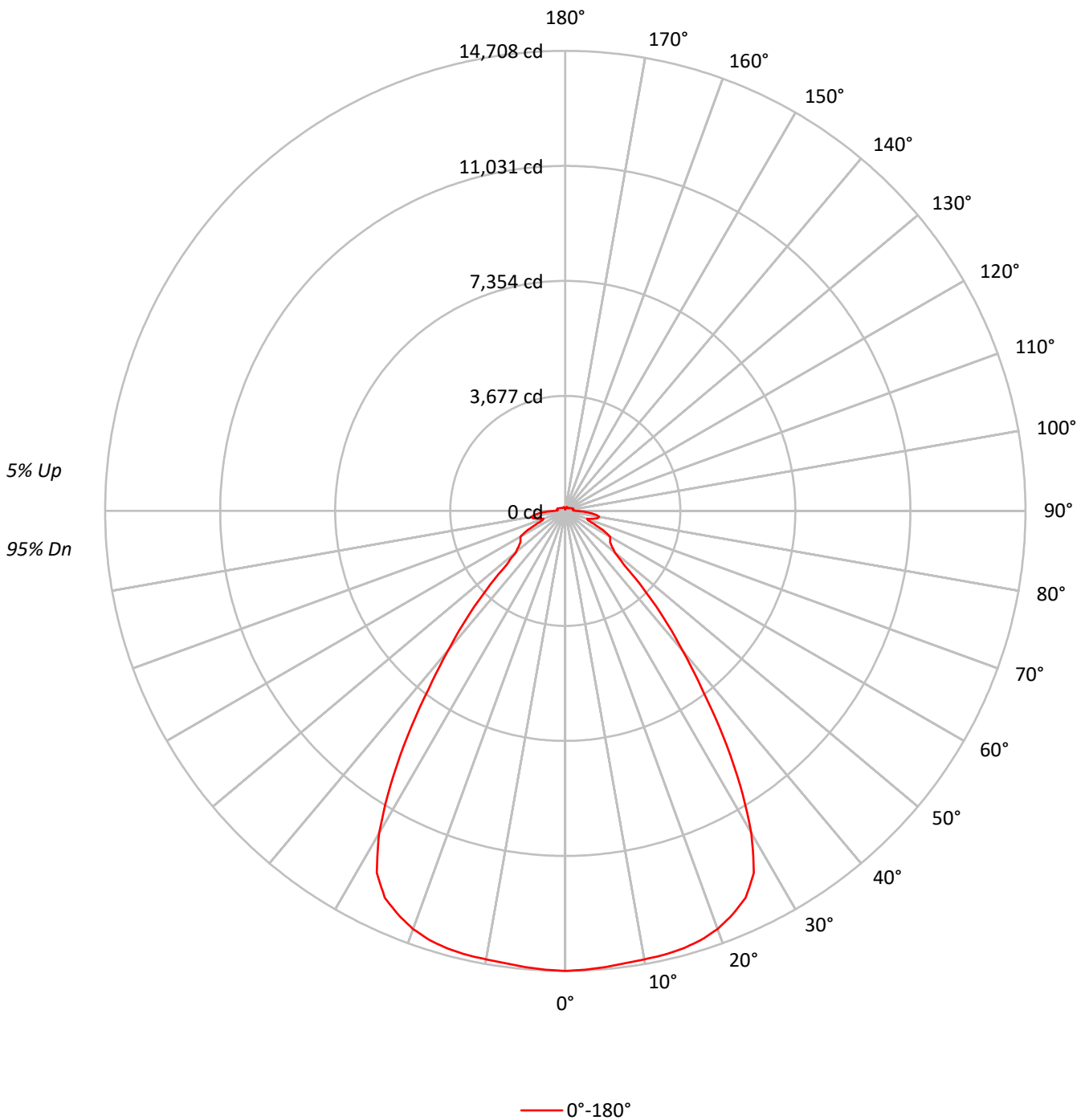
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25671.9 lumens
Efficiency: N/A
Efficacy: 166.5 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				
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°	93032
5°	89572
10°	86884
15°	85043
20°	82729
25°	79237
30°	69522
35°	52065
40°	35327
45°	22220
50°	13408
55°	11928
60°	11957
65°	8123
70°	6267
75°	8955
80°	11545
85°	10029

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22220 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1394.7	5.4
10°-20°	4092.8	15.9
20°-30°	6187.7	24.1
30°-40°	5456.4	21.3
40°-50°	2806.3	10.9
50°-60°	1609.8	6.3
60°-70°	1096.9	4.3
70°-80°	999.4	3.9
80°-90°	853.3	3.3
90°-100°	292.6	1.1
100°-110°	271.2	1.1
110°-120°	202.7	0.8
120°-130°	141.0	0.5
130°-140°	96.3	0.4
140°-150°	75.8	0.3
150°-160°	58.6	0.2
160°-170°	29.7	0.1
170°-180°	6.8	0.0
0°-30°	11675.2	45.5
0°-40°	17131.6	66.7
0°-60°	21547.7	83.9
0°-90°	24497.3	95.4
90°-120°	766.5	3.0
90°-150°	1079.6	4.2
90°-180°	1175.0	4.6
0°-180°	25671.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14708	
5°	14641	###
15°	14492	4093
25°	13644	6188
35°	8785	5456
45°	3558	2806
55°	1750	1610
65°	1046	1097
75°	958	999
85°	821	725
90°	363	215
95°	244	206
105°	263	271
115°	202	203
125°	158	141
135°	122	96
145°	120	76
155°	128	59
165°	103	30
175°	65	7
180°	55	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14708.5
2.5°	14685.4
5°	14641.3
7.5°	14586.7
10°	14559.4
12.5°	14540.5
15°	14492.2
17.5°	14393.4
20°	14225.4
22.5°	13969.1
25°	13643.5
27.5°	13049.0
30°	11895.8
32.5°	10408.6
35°	8784.8
37.5°	7171.5
40°	5831.3
42.5°	4671.8
45°	3558.4
47.5°	2533.3
50°	2064.9
52.5°	1882.2
55°	1749.8
57.5°	1701.5
60°	1653.2
62.5°	1411.6
65°	1046.1
67.5°	791.9
70°	741.5
72.5°	827.6
75°	957.9
77.5°	1069.2
80°	1094.4
82.5°	1008.3
85°	821.3
87.5°	573.5
90°	363.4
92.5°	271.0
95°	243.7
97.5°	247.9
100°	256.3
102.5°	264.7
105°	262.6
107.5°	252.1
110°	235.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	218.5
115°	201.7
117.5°	189.1
120°	176.5
122.5°	168.0
125°	157.5
127.5°	144.9
130°	136.5
132.5°	128.1
135°	121.8
137.5°	119.7
140°	117.6
142.5°	119.7
145°	119.7
147.5°	121.8
150°	126.0
152.5°	128.1
155°	128.1
157.5°	126.0
160°	121.8
162.5°	113.4
165°	102.9
167.5°	92.4
170°	81.9
172.5°	73.5
175°	65.1
177.5°	58.8
180°	54.6

(END OF REPORT)