

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: P980687

Luminaire Tested: UHBS2-2436-M-L83065-LOW-6500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-LOW-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

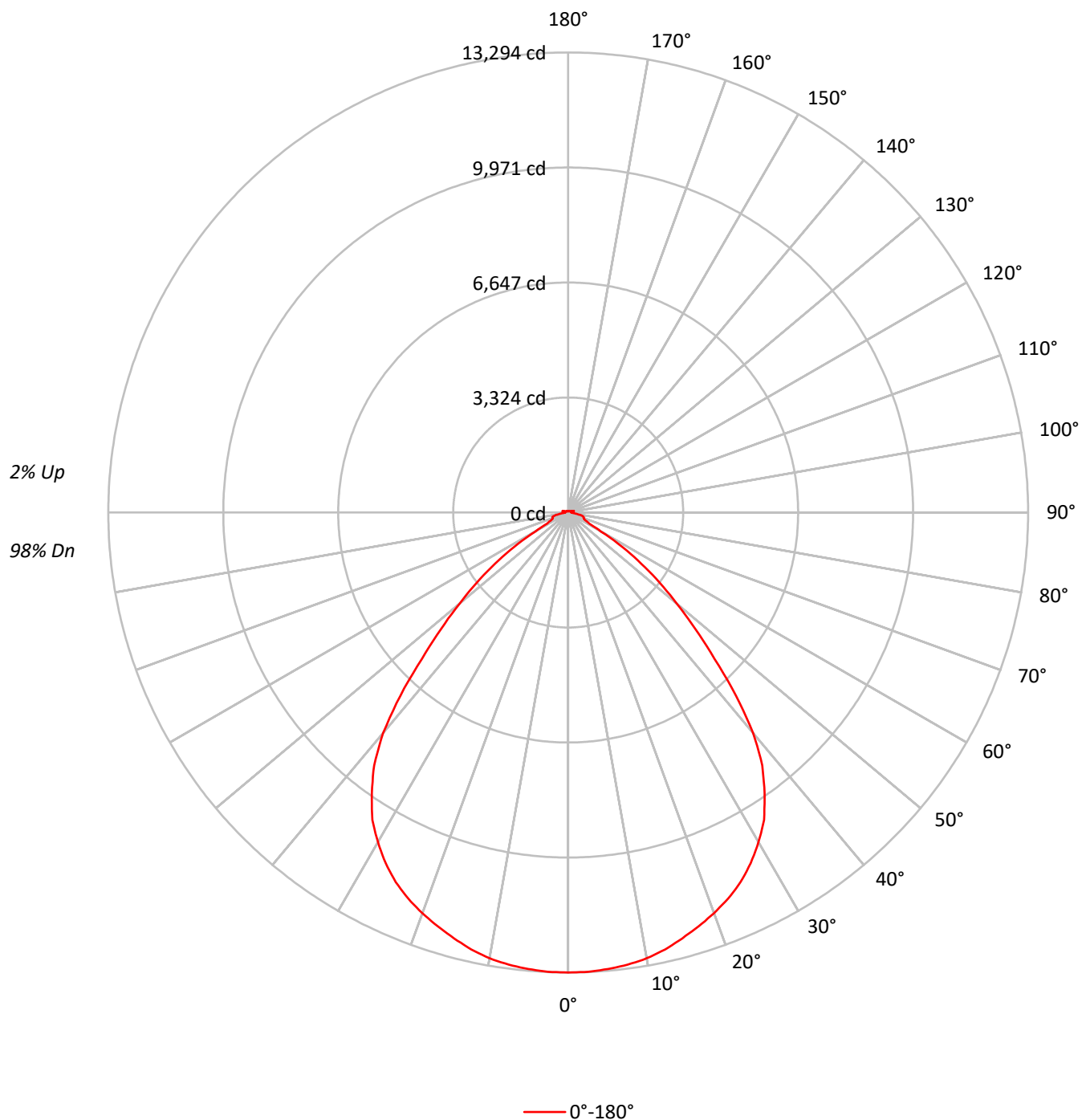
Lumens per Lamp: N/A
Luminaire Lumens: 25144.9 lumens
Efficiency: N/A
Efficacy: 163.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	96		96	94	93		92	91	90	88
2	103	97	92	87	101	95	90	86	91	87	84		88	85	82		85	82	80	78
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77	74	71	69
4	89	80	72	67	87	78	72	66	76	70	65		73	68	64		71	67	63	61
5	83	73	65	59	81	71	64	59	69	63	58		67	62	58		65	61	57	55
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	46	45
8	68	56	49	44	66	55	48	43	54	48	43		53	47	43		51	46	42	41
9	64	52	45	40	62	51	44	40	50	44	39		49	43	39		48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36		45	40	36		45	39	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101922
5°	99843
10°	97744
15°	95062
20°	92525
25°	89750
30°	85621
35°	79389
40°	69385
45°	52405
50°	38136
55°	25759
60°	11825
65°	6763
70°	6394
75°	7126
80°	5288
85°	2938

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52405 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1259.1	5.0
10°-20°	3597.1	14.3
20°-30°	5415.7	21.5
30°-40°	6140.0	24.4
40°-50°	4670.8	18.6
50°-60°	2301.8	9.2
60°-70°	623.0	2.5
70°-80°	447.6	1.8
80°-90°	159.7	0.6
90°-100°	122.5	0.5
100°-110°	166.5	0.7
110°-120°	89.5	0.4
120°-130°	48.2	0.2
130°-140°	36.5	0.1
140°-150°	30.5	0.1
150°-160°	22.1	0.1
160°-170°	11.2	0.0
170°-180°	3.2	0.0
0°-30°	10272.0	40.9
0°-40°	16412.0	65.3
0°-60°	23384.5	93.0
0°-90°	24614.8	97.9
90°-120°	378.5	1.5
90°-150°	493.7	2.0
90°-180°	530.0	2.1
0°-180°	25144.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13294	
5°	13243	###
15°	12741	3597
25°	11787	5416
35°	9896	6140
45°	5984	4671
55°	2582	2302
65°	563	623
75°	454	448
85°	124	135
90°	84	49
95°	107	99
105°	167	166
115°	87	90
125°	52	48
135°	47	36
145°	48	30
155°	48	22
165°	39	11
175°	33	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13293.9
2.5°	13284.2
5°	13243.4
7.5°	13179.4
10°	13082.3
12.5°	12936.7
15°	12740.6
17.5°	12536.7
20°	12323.1
22.5°	12080.4
25°	11787.3
27.5°	11426.1
30°	11000.9
32.5°	10533.0
35°	9896.2
37.5°	9214.7
40°	8317.7
42.5°	7185.7
45°	5983.9
47.5°	4978.2
50°	4104.5
52.5°	3335.6
55°	2582.3
57.5°	1862.0
60°	1089.2
62.5°	683.4
65°	563.1
67.5°	497.0
70°	471.8
72.5°	475.7
75°	454.3
77.5°	388.3
80°	281.5
82.5°	182.5
85°	124.3
87.5°	97.1
90°	83.5
92.5°	91.3
95°	106.8
97.5°	132.0
100°	155.3
102.5°	168.9
105°	167.0
107.5°	151.4
110°	128.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.8
115°	87.4
117.5°	71.8
120°	62.1
122.5°	56.3
125°	52.4
127.5°	50.5
130°	48.5
132.5°	46.6
135°	46.6
137.5°	46.6
140°	48.5
142.5°	48.5
145°	48.5
147.5°	48.5
150°	48.5
152.5°	48.5
155°	48.5
157.5°	46.6
160°	44.7
162.5°	40.8
165°	38.8
167.5°	36.9
170°	34.9
172.5°	33.0
175°	33.0
177.5°	33.0
180°	33.0

(END OF REPORT)