

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: P980719

Luminaire Tested: UHBS2-2436-N-L83065-LOW-4000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-N-L83065-LOW-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

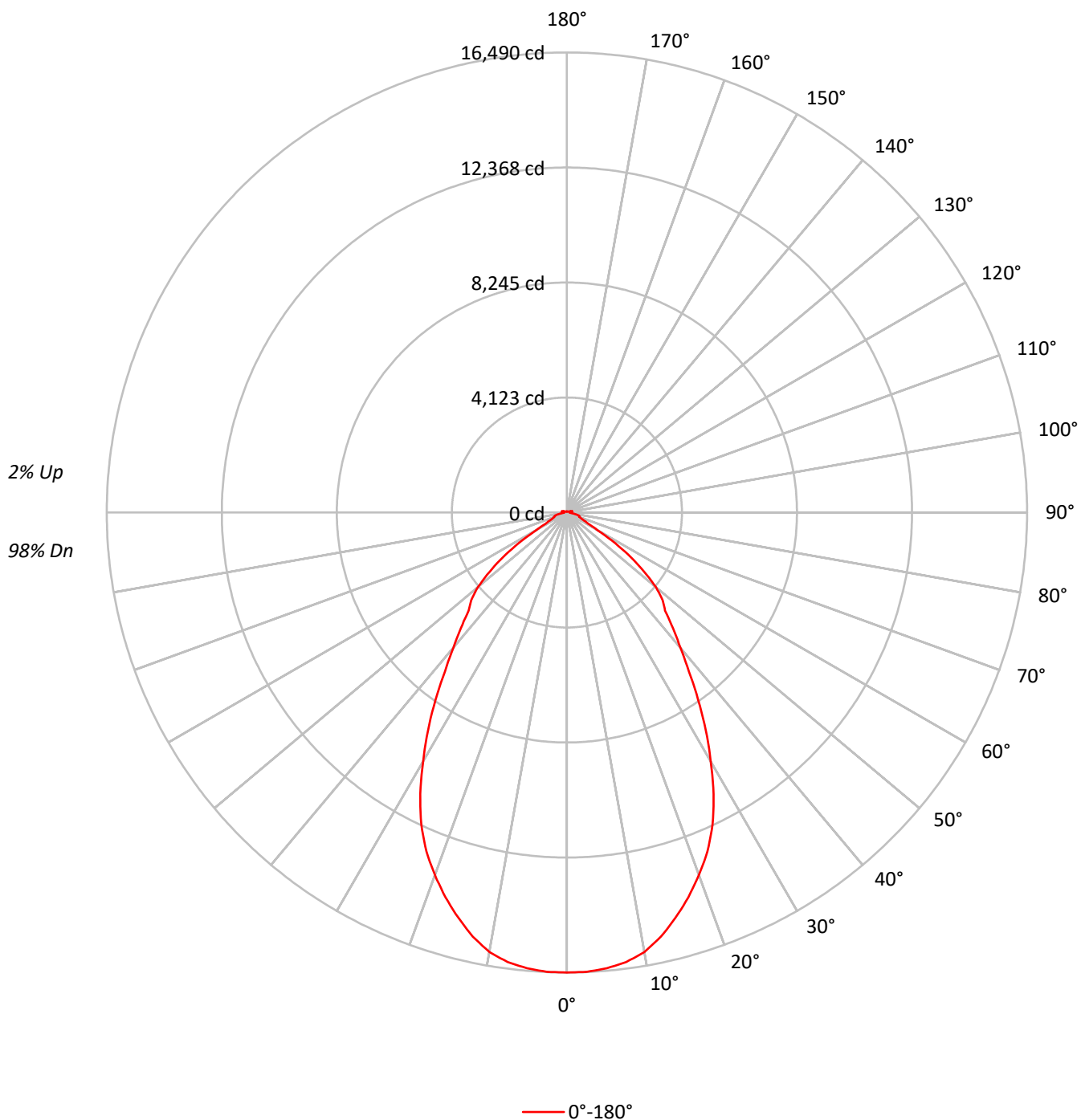
Lumens per Lamp: N/A
Luminaire Lumens: 24808.9 lumens
Efficiency: N/A
Efficacy: 162.4 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 152.8
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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		115	115	115	115		110	110	110		105	105	105		100	100	100
1	111	107	104	101		108	105	102	100		101	98	96		96	94	93		93	91	90
2	104	97	92	88		101	95	91	87		92	88	84		88	85	82		85	82	80
3	97	88	82	77		94	87	81	76		84	79	74		81	76	73		78	75	72
4	90	80	73	68		88	79	73	67		76	71	66		74	69	65		72	68	64
5	84	74	66	61		82	72	66	60		70	64	60		68	63	59		66	62	58
6	79	68	60	55		77	67	60	55		65	59	54		63	58	53		61	57	53
7	74	62	55	50		72	61	54	50		60	54	49		58	53	49		57	52	48
8	69	58	50	45		68	57	50	45		56	49	45		54	49	45		53	48	44
9	65	54	47	42		64	53	46	42		52	46	41		51	45	41		50	44	41
10	62	50	43	39		60	49	43	38		48	42	38		47	42	38		46	41	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126428
5°	123632
10°	119504
15°	112204
20°	103852
25°	94011
30°	80257
35°	65810
40°	52727
45°	43561
50°	38705
55°	28101
60°	13738
65°	8025
70°	6607
75°	6850
80°	4960
85°	2976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43561 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1553.0	6.3
10°-20°	4219.8	17.0
20°-30°	5617.8	22.6
30°-40°	5127.7	20.7
40°-50°	3946.1	15.9
50°-60°	2459.4	9.9
60°-70°	726.1	2.9
70°-80°	435.4	1.8
80°-90°	158.8	0.6
90°-100°	140.6	0.6
100°-110°	183.4	0.7
110°-120°	90.7	0.4
120°-130°	47.9	0.2
130°-140°	36.4	0.1
140°-150°	29.3	0.1
150°-160°	21.3	0.1
160°-170°	11.8	0.0
170°-180°	3.6	0.0
0°-30°	11390.6	45.9
0°-40°	16518.3	66.6
0°-60°	22923.8	92.4
0°-90°	24244.0	97.7
90°-120°	414.6	1.7
90°-150°	528.2	2.1
90°-180°	565.0	2.3
0°-180°	24808.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16490	
5°	16399	###
15°	15038	4220
25°	12347	5618
35°	8204	5128
45°	4974	3946
55°	2817	2459
65°	668	726
75°	437	435
85°	126	132
90°	93	54
95°	124	114
105°	183	183
115°	87	91
125°	53	48
135°	47	36
145°	47	29
155°	47	21
165°	41	12
175°	37	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16490.2
2.5°	16478.1
5°	16398.8
7.5°	16254.6
10°	15994.7
12.5°	15576.3
15°	15038.0
17.5°	14463.2
20°	13831.6
22.5°	13161.3
25°	12346.9
27.5°	11382.1
30°	10311.7
32.5°	9267.8
35°	8203.5
37.5°	7179.8
40°	6320.7
42.5°	5624.0
45°	4974.1
47.5°	4653.2
50°	4165.7
52.5°	3487.3
55°	2817.1
57.5°	2055.4
60°	1265.4
62.5°	849.0
65°	668.2
67.5°	550.4
70°	487.5
72.5°	467.1
75°	436.7
77.5°	369.7
80°	264.0
82.5°	176.7
85°	125.9
87.5°	101.6
90°	93.4
92.5°	103.6
95°	123.9
97.5°	152.3
100°	178.7
102.5°	190.9
105°	182.8
107.5°	162.5
110°	134.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	107.6
115°	87.3
117.5°	71.1
120°	60.9
122.5°	54.8
125°	52.8
127.5°	50.8
130°	48.7
132.5°	46.7
135°	46.7
137.5°	46.7
140°	46.7
142.5°	46.7
145°	46.7
147.5°	46.7
150°	46.7
152.5°	46.7
155°	46.7
157.5°	44.7
160°	44.7
162.5°	42.7
165°	40.6
167.5°	40.6
170°	38.6
172.5°	36.6
175°	36.6
177.5°	38.6
180°	38.6

(END OF REPORT)