

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: P980774

Luminaire Tested: UHBS2-2436-W-L83065-MID-5000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-W-L83065-MID-5000K-CLR3
Description: UHBS2 LED High Bay at 5000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

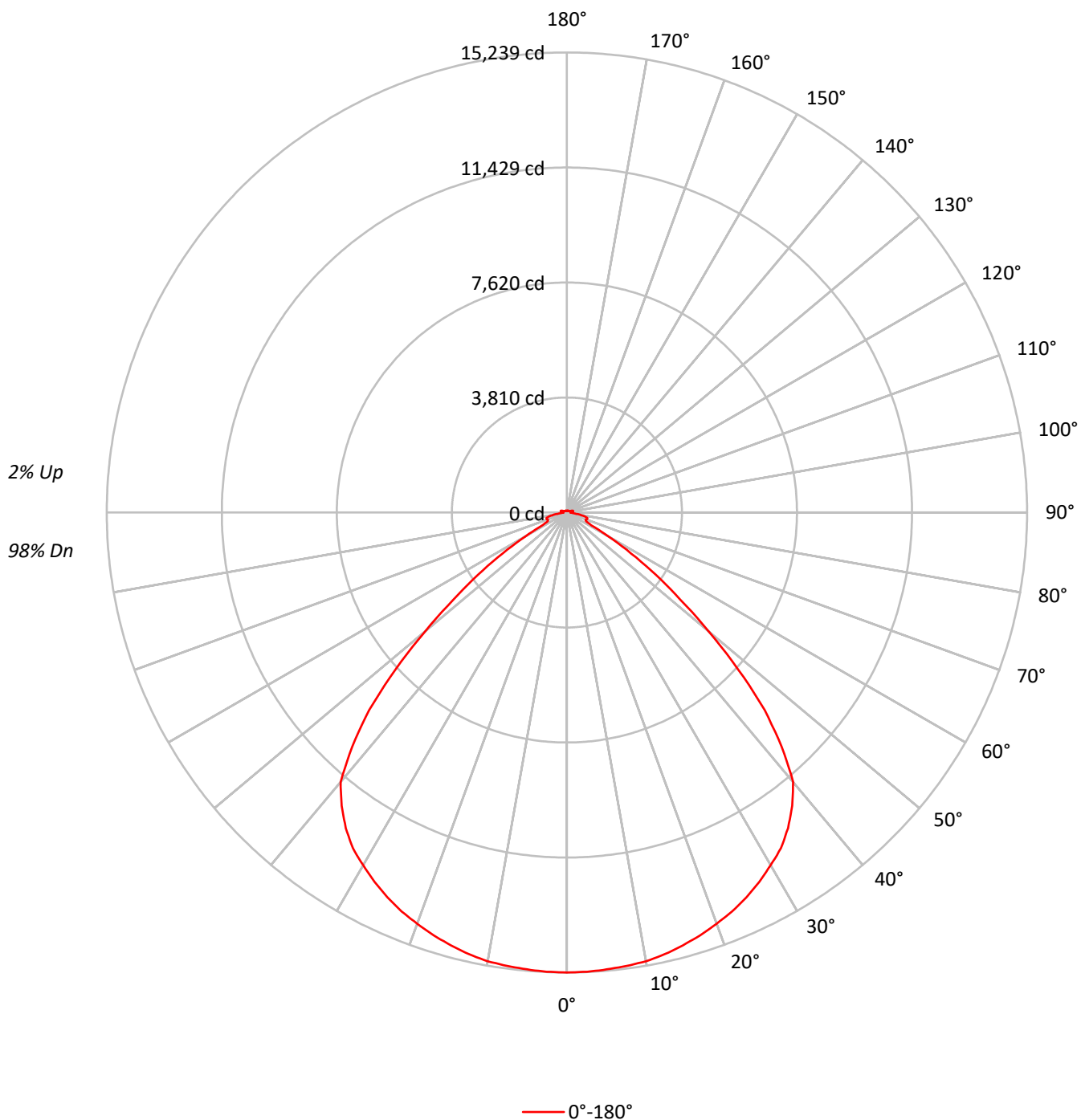
Lumens per Lamp: N/A
Luminaire Lumens: 32810.0 lumens
Efficiency: N/A
Efficacy: 171.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 191
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.15
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
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100
1	111	107	104	101	108	105	102	99	100	98	95		96	94	92		92
2	103	96	91	86	100	94	89	85	90	86	83		87	84	81		84
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76
4	88	78	71	65	86	77	70	65	74	68	64		72	67	63		70
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64
6	76	65	57	51	74	64	56	51	62	55	50		60	54	50		58
7	71	59	51	46	69	58	51	46	57	50	45		55	49	45		54
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50
9	62	50	43	38	61	49	42	37	48	42	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116835
5°	114539
10°	112784
15°	110740
20°	108839
25°	107108
30°	105010
35°	102392
40°	97226
45°	81076
50°	56907
55°	35797
60°	17034
65°	8631
70°	9245
75°	10930
80°	8512
85°	4435

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81076 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1447.2	4.4
10°-20°	4194.2	12.8
20°-30°	6484.2	19.8
30°-40°	7951.8	24.2
40°-50°	6983.9	21.3
50°-60°	3256.4	9.9
60°-70°	846.0	2.6
70°-80°	682.9	2.1
80°-90°	244.8	0.7
90°-100°	158.4	0.5
100°-110°	217.5	0.7
110°-120°	125.4	0.4
120°-130°	68.8	0.2
130°-140°	51.9	0.2
140°-150°	44.2	0.1
150°-160°	32.1	0.1
160°-170°	16.3	0.0
170°-180°	4.3	0.0
0°-30°	12125.5	37.0
0°-40°	20077.3	61.2
0°-60°	30317.6	92.4
0°-90°	32091.2	97.8
90°-120°	501.3	1.5
90°-150°	666.1	2.0
90°-180°	719.0	2.2
0°-180°	32810.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15239	
5°	15193	###
15°	14842	4194
25°	14067	6484
35°	12764	7952
45°	9258	6984
55°	3589	3256
65°	719	846
75°	697	683
85°	188	211
90°	112	66
95°	139	127
105°	217	218
115°	122	125
125°	76	69
135°	66	52
145°	71	44
155°	71	32
165°	56	16
175°	44	4
180°	44	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15238.9
2.5°	15226.7
5°	15192.6
7.5°	15148.7
10°	15095.2
12.5°	14985.5
15°	14841.8
17.5°	14683.4
20°	14495.8
22.5°	14300.9
25°	14067.0
27.5°	13791.7
30°	13492.1
32.5°	13190.0
35°	12763.6
37.5°	12249.6
40°	11655.1
42.5°	10527.1
45°	9257.8
47.5°	7701.1
50°	6124.8
52.5°	4731.2
55°	3588.6
57.5°	2524.0
60°	1569.0
62.5°	911.2
65°	718.7
67.5°	672.4
70°	682.2
72.5°	709.0
75°	696.8
77.5°	611.5
80°	453.1
82.5°	292.4
85°	187.6
87.5°	136.4
90°	112.1
92.5°	119.4
95°	138.9
97.5°	168.1
100°	197.3
102.5°	216.8
105°	216.8
107.5°	202.2
110°	175.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	146.2
115°	121.8
117.5°	102.3
120°	90.1
122.5°	80.4
125°	75.5
127.5°	70.7
130°	68.2
132.5°	65.8
135°	65.8
137.5°	68.2
140°	68.2
142.5°	70.7
145°	70.7
147.5°	70.7
150°	70.7
152.5°	70.7
155°	70.7
157.5°	68.2
160°	63.3
162.5°	60.9
165°	56.0
167.5°	53.6
170°	48.7
172.5°	43.9
175°	43.9
177.5°	43.9
180°	43.9

(END OF REPORT)