

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: P980768

Luminaire Tested: UHBS2-2436-W-L83065-MID-3500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980768
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-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

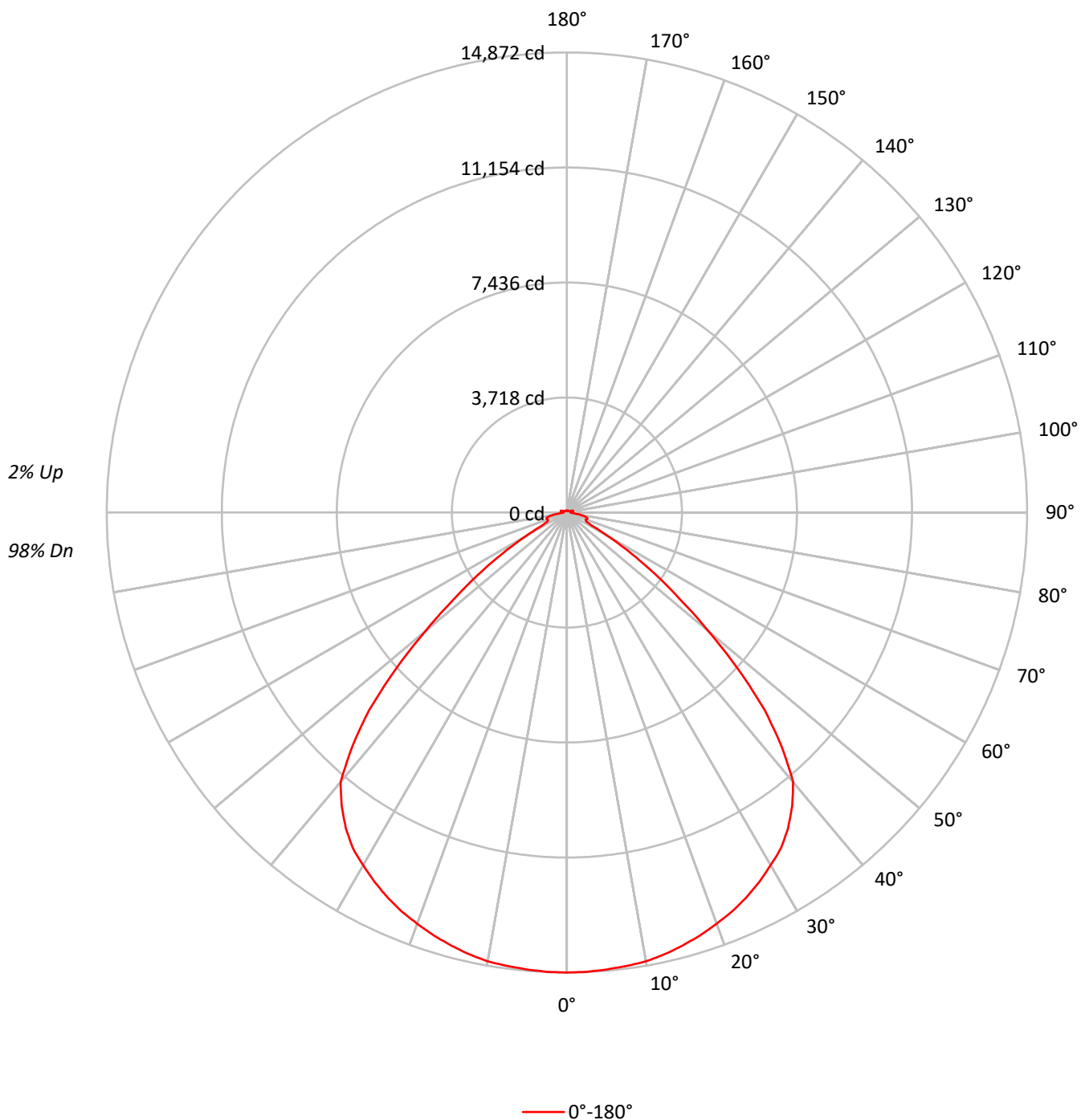
Lumens per Lamp: N/A
Luminaire Lumens: 32021.1 lumens
Efficiency: N/A
Efficacy: 166.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 192.4
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°	114025
5°	111785
10°	110071
15°	108077
20°	106221
25°	104533
30°	102485
35°	99930
40°	94888
45°	79127
50°	55539
55°	34936
60°	16624
65°	8424
70°	9023
75°	10666
80°	8307
85°	4328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 79127 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1412.4	4.4
10°-20°	4093.3	12.8
20°-30°	6328.3	19.8
30°-40°	7760.6	24.2
40°-50°	6816.0	21.3
50°-60°	3178.1	9.9
60°-70°	825.6	2.6
70°-80°	666.4	2.1
80°-90°	238.9	0.7
90°-100°	154.6	0.5
100°-110°	212.3	0.7
110°-120°	122.4	0.4
120°-130°	67.1	0.2
130°-140°	50.6	0.2
140°-150°	43.1	0.1
150°-160°	31.3	0.1
160°-170°	15.9	0.0
170°-180°	4.2	0.0
0°-30°	11834.0	37.0
0°-40°	19594.6	61.2
0°-60°	29588.6	92.4
0°-90°	31319.5	97.8
90°-120°	489.3	1.5
90°-150°	650.2	2.0
90°-180°	702.0	2.2
0°-180°	32021.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14872	
5°	14827	###
15°	14485	4093
25°	13729	6328
35°	12457	7761
45°	9035	6816
55°	3502	3178
65°	701	826
75°	680	666
85°	183	206
90°	109	64
95°	136	124
105°	212	212
115°	119	122
125°	74	67
135°	64	51
145°	69	43
155°	69	31
165°	55	16
175°	43	4
180°	43	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14872.4
2.5°	14860.5
5°	14827.3
7.5°	14784.5
10°	14732.2
12.5°	14625.2
15°	14484.9
17.5°	14330.3
20°	14147.2
22.5°	13957.0
25°	13728.8
27.5°	13460.1
30°	13167.6
32.5°	12872.8
35°	12456.7
37.5°	11955.0
40°	11374.9
42.5°	10274.0
45°	9035.2
47.5°	7515.9
50°	5977.5
52.5°	4617.5
55°	3502.3
57.5°	2463.3
60°	1531.2
62.5°	889.3
65°	701.4
67.5°	656.2
70°	665.8
72.5°	691.9
75°	680.0
77.5°	596.8
80°	442.2
82.5°	285.3
85°	183.1
87.5°	133.2
90°	109.4
92.5°	116.5
95°	135.5
97.5°	164.1
100°	192.6
102.5°	211.6
105°	211.6
107.5°	197.3
110°	171.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	142.7
115°	118.9
117.5°	99.9
120°	88.0
122.5°	78.5
125°	73.7
127.5°	69.0
130°	66.6
132.5°	64.2
135°	64.2
137.5°	66.6
140°	66.6
142.5°	69.0
145°	69.0
147.5°	69.0
150°	69.0
152.5°	69.0
155°	69.0
157.5°	66.6
160°	61.8
162.5°	59.4
165°	54.7
167.5°	52.3
170°	47.6
172.5°	42.8
175°	42.8
177.5°	42.8
180°	42.8

(END OF REPORT)