

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: P980766

Luminaire Tested: UHBS2-2436-W-L83065-MID-3000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-W-L83065-MID-3000K-FRR3
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

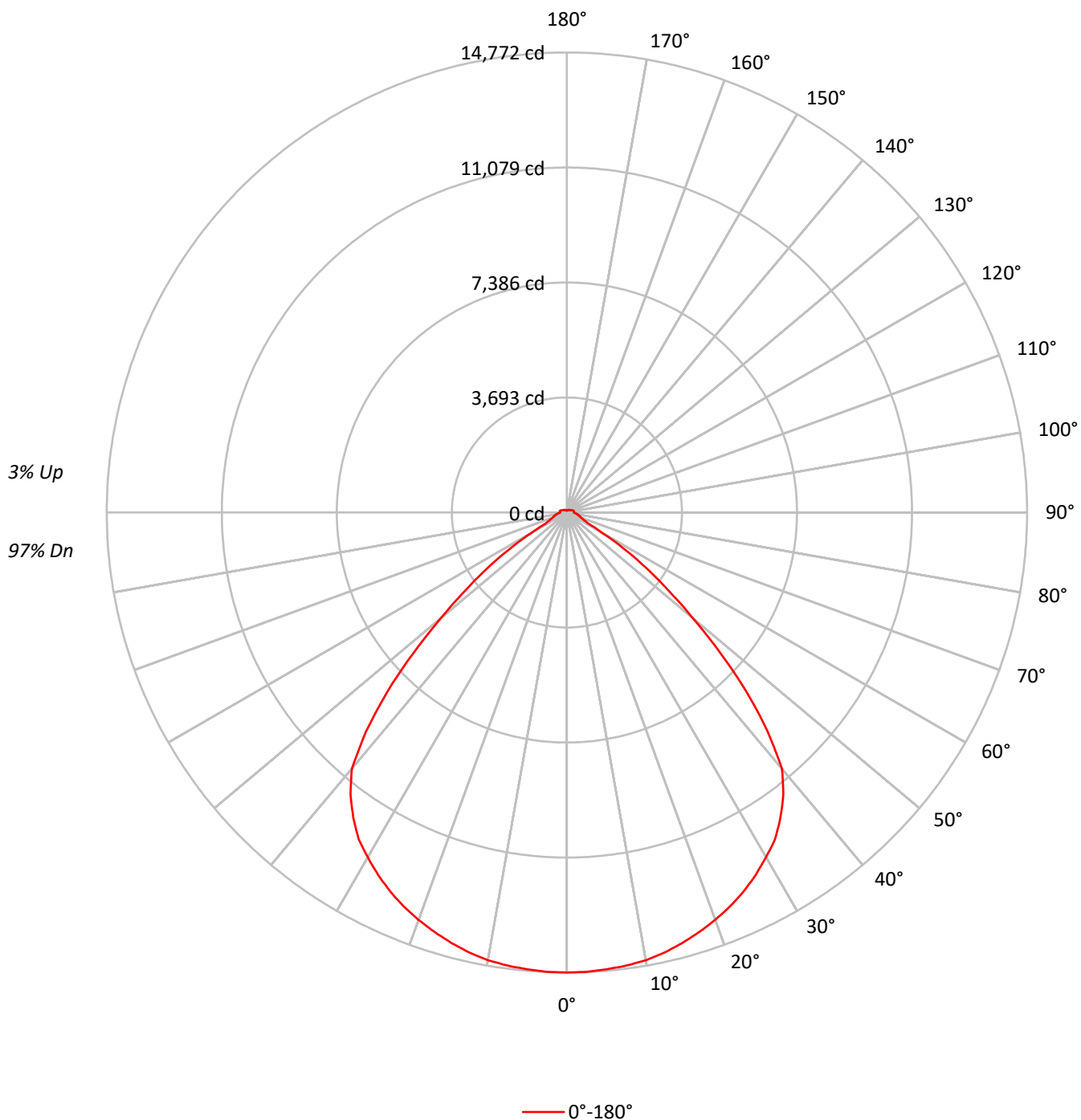
Lumens per Lamp: N/A
Luminaire Lumens: 30555.0 lumens
Efficiency: N/A
Efficacy: 157.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 194.6
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	30	10
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	88
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41
9	63	51	43	38	61	50	43	38	49	42	38	47	42	38	46	41	37
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113258
5°	110987
10°	109057
15°	106765
20°	104515
25°	102231
30°	99488
35°	95891
40°	89587
45°	71593
50°	48922
55°	30987
60°	14587
65°	7734
70°	6624
75°	6431
80°	6440
85°	6572

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71593 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1401.5	4.6
10°-20°	4041.5	13.2
20°-30°	6185.2	20.2
30°-40°	7444.7	24.4
40°-50°	6214.2	20.3
50°-60°	2815.7	9.2
60°-70°	715.0	2.3
70°-80°	435.4	1.4
80°-90°	303.8	1.0
90°-100°	245.2	0.8
100°-110°	231.1	0.8
110°-120°	171.9	0.6
120°-130°	122.6	0.4
130°-140°	92.1	0.3
140°-150°	66.0	0.2
150°-160°	42.3	0.1
160°-170°	21.3	0.1
170°-180°	5.7	0.0
0°-30°	11628.2	38.1
0°-40°	19072.9	62.4
0°-60°	28102.8	92.0
0°-90°	29557.0	96.7
90°-120°	648.1	2.1
90°-150°	928.8	3.0
90°-180°	998.0	3.3
0°-180°	30555.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14772	
5°	14722	###
15°	14309	4042
25°	13426	6185
35°	11953	7445
45°	8175	6214
55°	3106	2816
65°	644	715
75°	410	435
85°	278	240
90°	218	124
95°	225	185
105°	220	231
115°	171	172
125°	137	123
135°	118	92
145°	104	66
155°	90	42
165°	74	21
175°	58	6
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14772.4
2.5°	14760.8
5°	14721.5
7.5°	14672.8
10°	14596.4
12.5°	14475.9
15°	14309.1
17.5°	14126.1
20°	13919.9
22.5°	13688.3
25°	13426.5
27.5°	13118.4
30°	12782.5
32.5°	12437.4
35°	11953.2
37.5°	11411.2
40°	10739.4
42.5°	9537.1
45°	8175.0
47.5°	6685.5
50°	5265.4
52.5°	4102.5
55°	3106.4
57.5°	2189.1
60°	1343.6
62.5°	783.0
65°	644.0
67.5°	556.0
70°	488.8
72.5°	447.1
75°	410.0
77.5°	375.3
80°	342.8
82.5°	310.4
85°	278.0
87.5°	245.6
90°	217.8
92.5°	220.1
95°	224.7
97.5°	229.3
100°	231.7
102.5°	227.0
105°	220.1
107.5°	210.8
110°	199.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	185.3
115°	171.4
117.5°	159.8
120°	150.6
122.5°	141.3
125°	136.7
127.5°	129.7
130°	125.1
132.5°	122.8
135°	118.1
137.5°	115.8
140°	111.2
142.5°	108.9
145°	104.2
147.5°	101.9
150°	97.3
152.5°	95.0
155°	90.3
157.5°	88.0
160°	83.4
162.5°	78.8
165°	74.1
167.5°	69.5
170°	64.9
172.5°	57.9
175°	57.9
177.5°	57.9
180°	55.6

(END OF REPORT)