

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: P980754

Luminaire Tested: UHBS2-2436-W-L83065-LOW-3500K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980754
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-LOW-3500K-FRR3
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

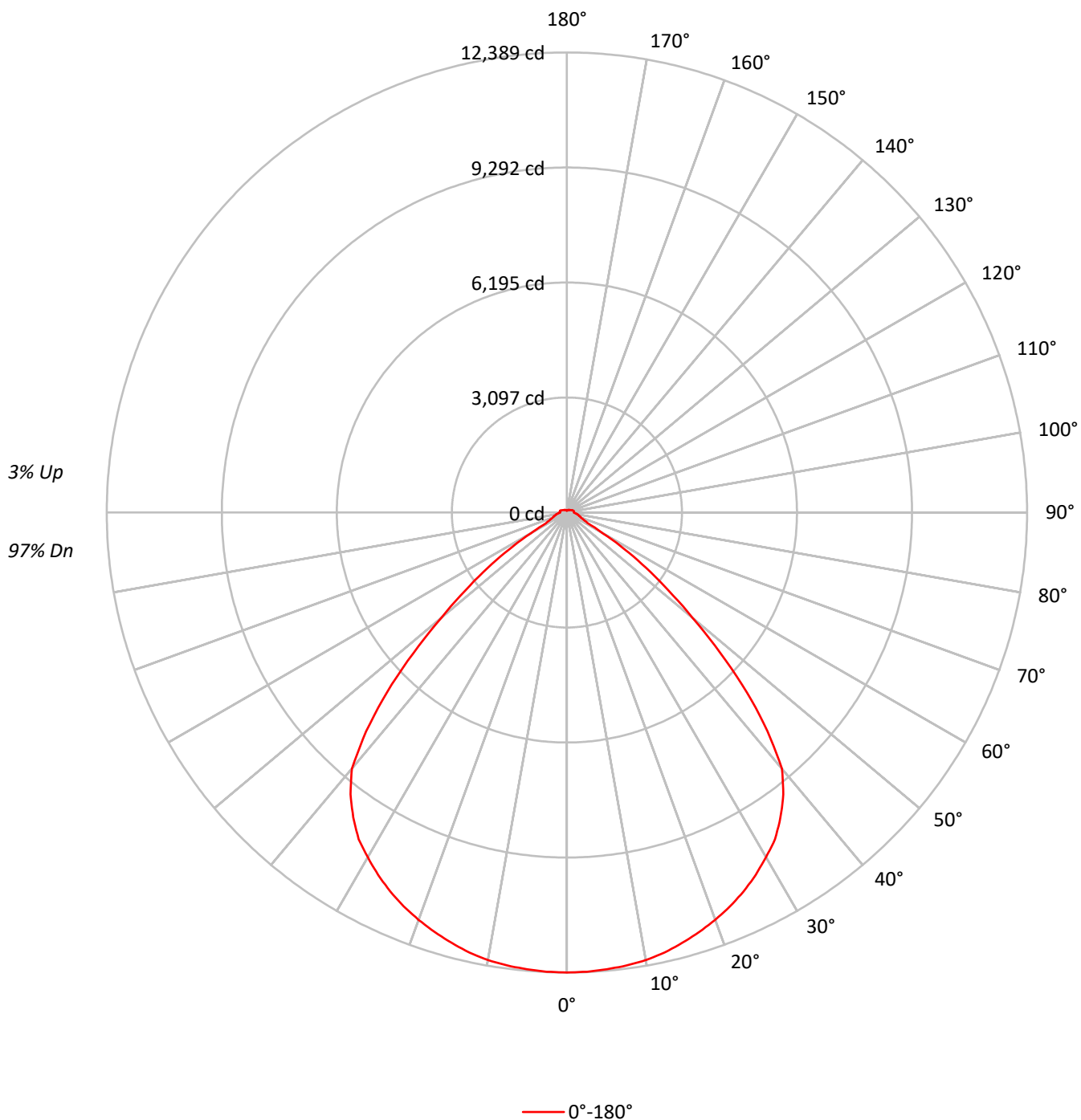
Lumens per Lamp: N/A
Luminaire Lumens: 25625.0 lumens
Efficiency: N/A
Efficacy: 166.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 154.4
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	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°	94984
5°	93079
10°	91461
15°	89539
20°	87652
25°	85737
30°	83436
35°	80419
40°	75132
45°	60042
50°	41029
55°	25987
60°	12233
65°	6486
70°	5555
75°	5394
80°	5401
85°	5510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60042 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1175.4	4.6
10°-20°	3389.4	13.2
20°-30°	5187.2	20.2
30°-40°	6243.5	24.4
40°-50°	5211.6	20.3
50°-60°	2361.4	9.2
60°-70°	599.6	2.3
70°-80°	365.1	1.4
80°-90°	254.7	1.0
90°-100°	205.6	0.8
100°-110°	193.8	0.8
110°-120°	144.2	0.6
120°-130°	102.8	0.4
130°-140°	77.2	0.3
140°-150°	55.4	0.2
150°-160°	35.5	0.1
160°-170°	17.9	0.1
170°-180°	4.8	0.0
0°-30°	9752.0	38.1
0°-40°	15995.5	62.4
0°-60°	23568.5	92.0
0°-90°	24788.0	96.7
90°-120°	543.6	2.1
90°-150°	779.0	3.0
90°-180°	837.0	3.3
0°-180°	25625.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12389	
5°	12346	###
15°	12000	3389
25°	11260	5187
35°	10025	6243
45°	6856	5212
55°	2605	2361
65°	540	600
75°	344	365
85°	233	201
90°	183	104
95°	188	155
105°	185	194
115°	144	144
125°	115	103
135°	99	77
145°	87	55
155°	76	35
165°	62	18
175°	49	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12388.9
2.5°	12379.2
5°	12346.2
7.5°	12305.4
10°	12241.3
12.5°	12140.2
15°	12000.4
17.5°	11846.9
20°	11674.0
22.5°	11479.7
25°	11260.2
27.5°	11001.8
30°	10720.1
32.5°	10430.6
35°	10024.6
37.5°	9570.0
40°	9006.6
42.5°	7998.3
45°	6856.0
47.5°	5606.8
50°	4415.9
52.5°	3440.6
55°	2605.2
57.5°	1835.9
60°	1126.8
62.5°	656.6
65°	540.1
67.5°	466.3
70°	409.9
72.5°	375.0
75°	343.9
77.5°	314.7
80°	287.5
82.5°	260.3
85°	233.1
87.5°	205.9
90°	182.6
92.5°	184.6
95°	188.4
97.5°	192.3
100°	194.3
102.5°	190.4
105°	184.6
107.5°	176.8
110°	167.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	155.4
115°	143.8
117.5°	134.0
120°	126.3
122.5°	118.5
125°	114.6
127.5°	108.8
130°	104.9
132.5°	103.0
135°	99.1
137.5°	97.1
140°	93.3
142.5°	91.3
145°	87.4
147.5°	85.5
150°	81.6
152.5°	79.7
155°	75.8
157.5°	73.8
160°	69.9
162.5°	66.1
165°	62.2
167.5°	58.3
170°	54.4
172.5°	48.6
175°	48.6
177.5°	48.6
180°	46.6

(END OF REPORT)