

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: P980757

Luminaire Tested: UHBS2-2436-W-L83065-LOW-4000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980757
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-4000K-FRR3
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

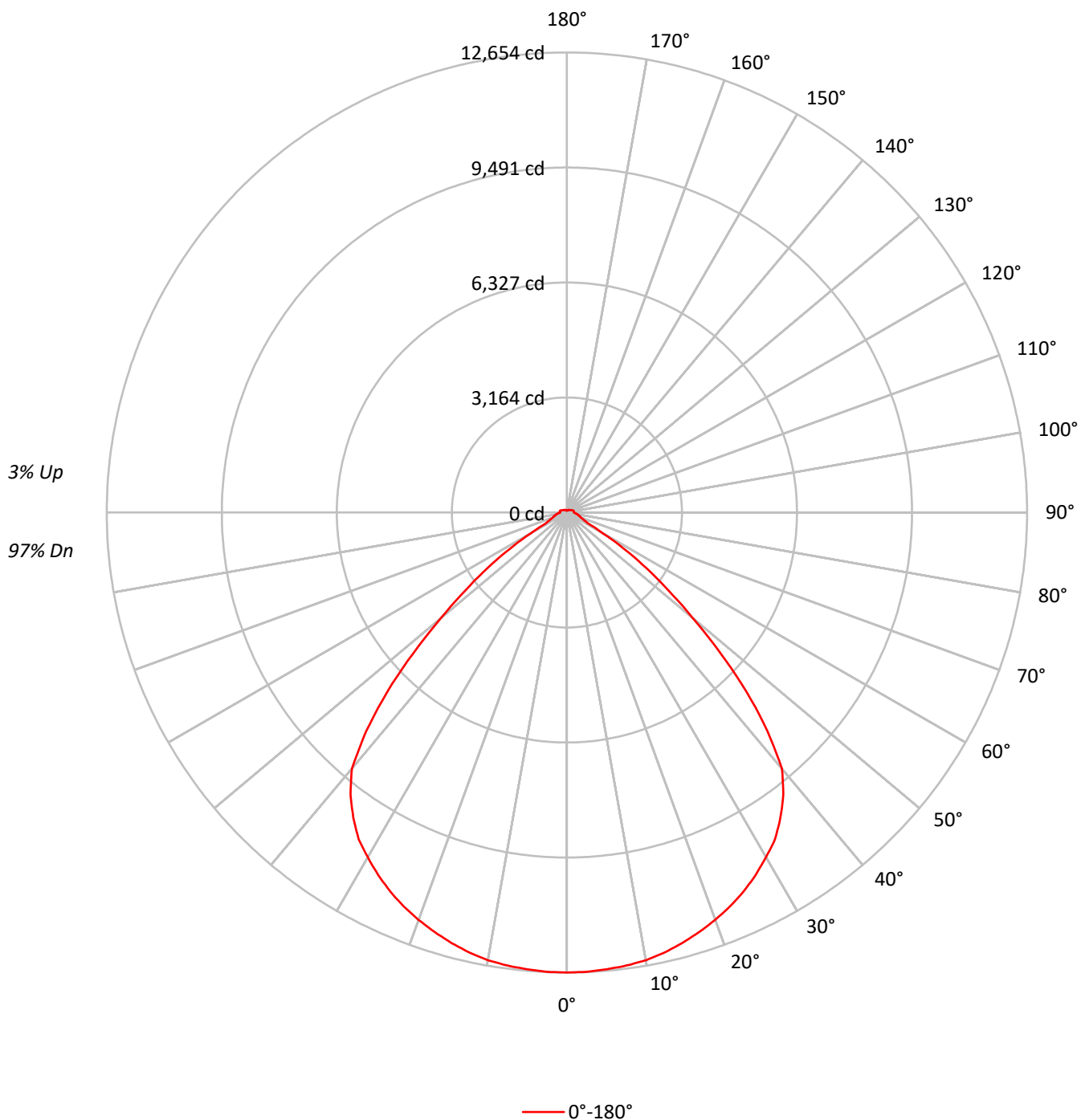
Lumens per Lamp: N/A
Luminaire Lumens: 26173.9 lumens
Efficiency: N/A
Efficacy: 171.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97019
5°	95074
10°	93420
15°	91457
20°	89530
25°	87573
30°	85223
35°	82142
40°	76741
45°	61328
50°	41908
55°	26544
60°	12495
65°	6626
70°	5674
75°	5509
80°	5518
85°	5629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61328 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1200.6	4.6
10°-20°	3462.0	13.2
20°-30°	5298.3	20.2
30°-40°	6377.3	24.4
40°-50°	5323.2	20.3
50°-60°	2412.0	9.2
60°-70°	612.5	2.3
70°-80°	372.9	1.4
80°-90°	260.2	1.0
90°-100°	210.0	0.8
100°-110°	198.0	0.8
110°-120°	147.2	0.6
120°-130°	105.0	0.4
130°-140°	78.9	0.3
140°-150°	56.6	0.2
150°-160°	36.2	0.1
160°-170°	18.2	0.1
170°-180°	4.9	0.0
0°-30°	9960.9	38.1
0°-40°	16338.2	62.4
0°-60°	24073.4	92.0
0°-90°	25319.0	96.7
90°-120°	555.2	2.1
90°-150°	795.6	3.0
90°-180°	855.0	3.3
0°-180°	26173.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12654	
5°	12611	###
15°	12258	3462
25°	11501	5298
35°	10239	6377
45°	7003	5323
55°	2661	2412
65°	552	612
75°	351	373
85°	238	206
90°	186	106
95°	192	159
105°	188	198
115°	147	147
125°	117	105
135°	101	79
145°	89	57
155°	77	36
165°	64	18
175°	50	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12654.3
2.5°	12644.4
5°	12610.7
7.5°	12569.0
10°	12503.5
12.5°	12400.3
15°	12257.5
17.5°	12100.7
20°	11924.1
22.5°	11725.6
25°	11501.4
27.5°	11237.5
30°	10949.8
32.5°	10654.1
35°	10239.4
37.5°	9775.0
40°	9199.5
42.5°	8169.7
45°	7002.8
47.5°	5726.9
50°	4510.5
52.5°	3514.3
55°	2661.0
57.5°	1875.2
60°	1150.9
62.5°	670.7
65°	551.7
67.5°	476.2
70°	418.7
72.5°	383.0
75°	351.2
77.5°	321.5
80°	293.7
82.5°	265.9
85°	238.1
87.5°	210.3
90°	186.5
92.5°	188.5
95°	192.5
97.5°	196.5
100°	198.4
102.5°	194.5
105°	188.5
107.5°	180.6
110°	170.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	158.7
115°	146.8
117.5°	136.9
120°	129.0
122.5°	121.0
125°	117.1
127.5°	111.1
130°	107.2
132.5°	105.2
135°	101.2
137.5°	99.2
140°	95.2
142.5°	93.3
145°	89.3
147.5°	87.3
150°	83.3
152.5°	81.4
155°	77.4
157.5°	75.4
160°	71.4
162.5°	67.5
165°	63.5
167.5°	59.5
170°	55.6
172.5°	49.6
175°	49.6
177.5°	49.6
180°	47.6

(END OF REPORT)