

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: P980676

Luminaire Tested: UHBS2-2436-M-L83065-LOW-3000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-LOW-3000K-FRR3
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

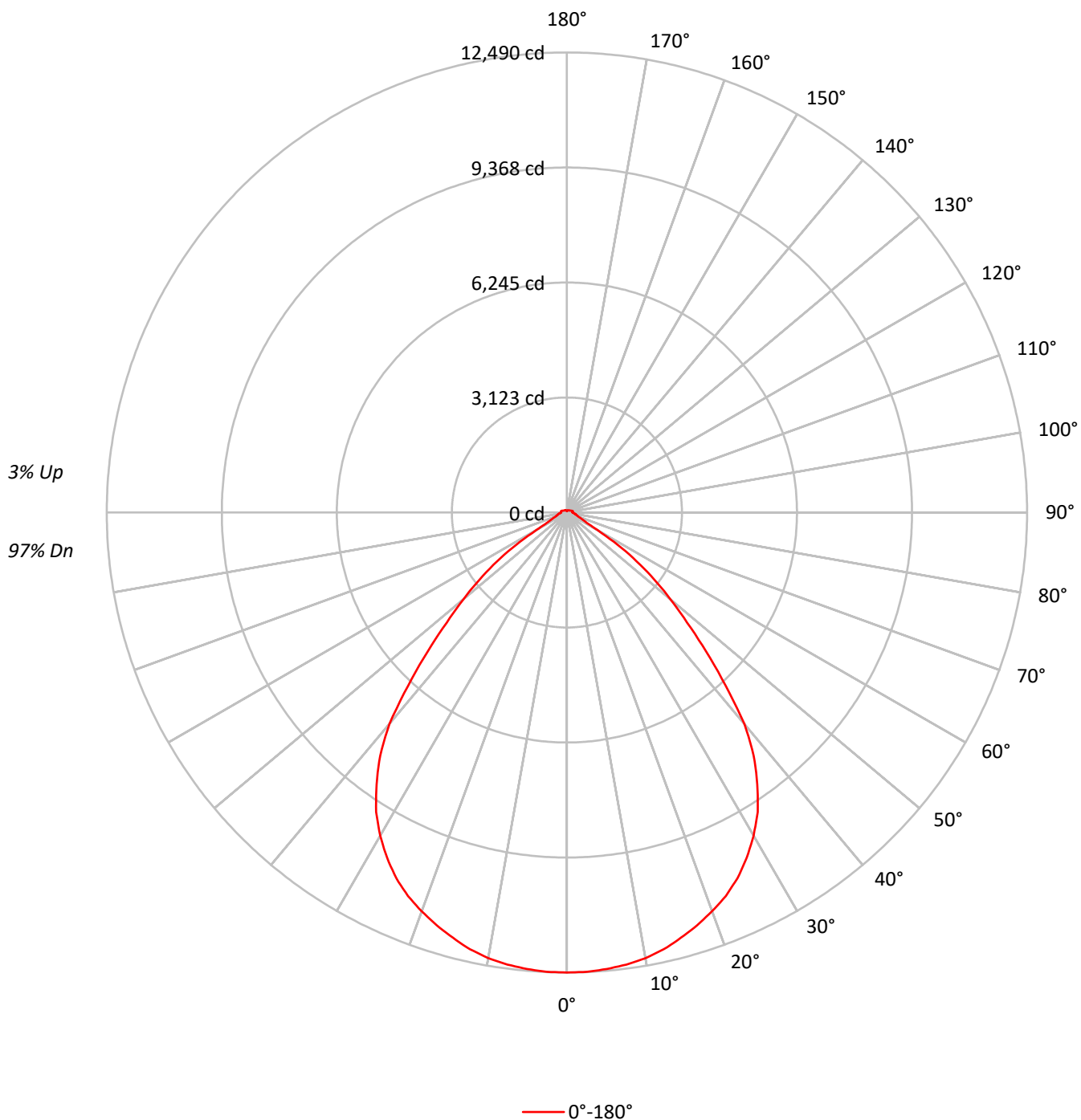
Lumens per Lamp: N/A
Luminaire Lumens: 23116.9 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 156
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	105	102	99	100	98	96	96	94	92	92	90	89
2	103	97	92	87	101	95	90	86	91	87	84	87	84	81	84	82	79
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	74	71
4	89	80	73	67	87	78	72	67	76	70	65	73	68	64	71	67	63
5	83	73	65	60	81	72	65	59	69	63	59	67	62	58	65	61	57
6	78	67	59	54	76	66	58	53	64	57	53	62	56	52	60	55	51
7	73	61	54	48	71	60	53	48	59	52	48	57	51	47	55	50	47
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	51	46	42
9	64	52	45	40	63	51	45	40	50	44	40	49	43	39	48	43	39
10	60	48	41	37	59	48	41	37	47	41	36	46	40	36	45	39	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95762
5°	93786
10°	91786
15°	89187
20°	86513
25°	83424
30°	78849
35°	72276
40°	62525
45°	46760
50°	34067
55°	23106
60°	10333
65°	5888
70°	4568
75°	4241
80°	4266
85°	4432

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46760 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1182.7	5.1
10°-20°	3373.1	14.6
20°-30°	5028.9	21.8
30°-40°	5588.5	24.2
40°-50°	4164.4	18.0
50°-60°	2052.6	8.9
60°-70°	528.7	2.3
70°-80°	290.6	1.3
80°-90°	205.7	0.9
90°-100°	174.7	0.8
100°-110°	164.8	0.7
110°-120°	118.8	0.5
120°-130°	84.4	0.4
130°-140°	63.4	0.3
140°-150°	46.1	0.2
150°-160°	29.9	0.1
160°-170°	15.3	0.1
170°-180°	4.2	0.0
0°-30°	9584.7	41.5
0°-40°	15173.3	65.6
0°-60°	21390.3	92.5
0°-90°	22415.3	97.0
90°-120°	458.3	2.0
90°-150°	652.3	2.8
90°-180°	702.0	3.0
0°-180°	23116.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12490	
5°	12440	###
15°	11953	3373
25°	10956	5029
35°	9010	5589
45°	5339	4164
55°	2316	2053
65°	490	529
75°	270	291
85°	188	161
90°	153	87
95°	160	132
105°	157	165
115°	119	119
125°	94	84
135°	81	63
145°	74	46
155°	65	30
165°	54	15
175°	42	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12490.4
2.5°	12481.4
5°	12439.9
7.5°	12378.7
10°	12284.9
12.5°	12147.9
15°	11953.2
17.5°	11751.3
20°	11522.4
22.5°	11268.2
25°	10956.4
27.5°	10570.6
30°	10130.8
32.5°	9638.7
35°	9009.5
37.5°	8328.1
40°	7495.3
42.5°	6374.1
45°	5339.4
47.5°	4425.5
50°	3666.5
52.5°	2987.0
55°	2316.4
57.5°	1642.2
60°	951.8
62.5°	605.7
65°	490.3
67.5°	403.8
70°	337.1
72.5°	301.0
75°	270.4
77.5°	247.0
80°	227.1
82.5°	207.3
85°	187.5
87.5°	169.4
90°	153.2
92.5°	156.8
95°	160.4
97.5°	164.0
100°	165.8
102.5°	164.0
105°	156.8
107.5°	149.6
110°	138.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	128.0
115°	119.0
117.5°	110.0
120°	102.7
122.5°	97.3
125°	93.7
127.5°	90.1
130°	86.5
132.5°	84.7
135°	81.1
137.5°	79.3
140°	77.5
142.5°	75.7
145°	73.9
147.5°	70.3
150°	68.5
152.5°	66.7
155°	64.9
157.5°	61.3
160°	59.5
162.5°	55.9
165°	54.1
167.5°	50.5
170°	46.9
172.5°	43.3
175°	41.5
177.5°	43.3
180°	41.5

(END OF REPORT)