

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: P980775

Luminaire Tested: UHBS2-2436-W-L83065-MID-5000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980775
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-5000K-FRR3
Description: UHBS2 LED High Bay at 5000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

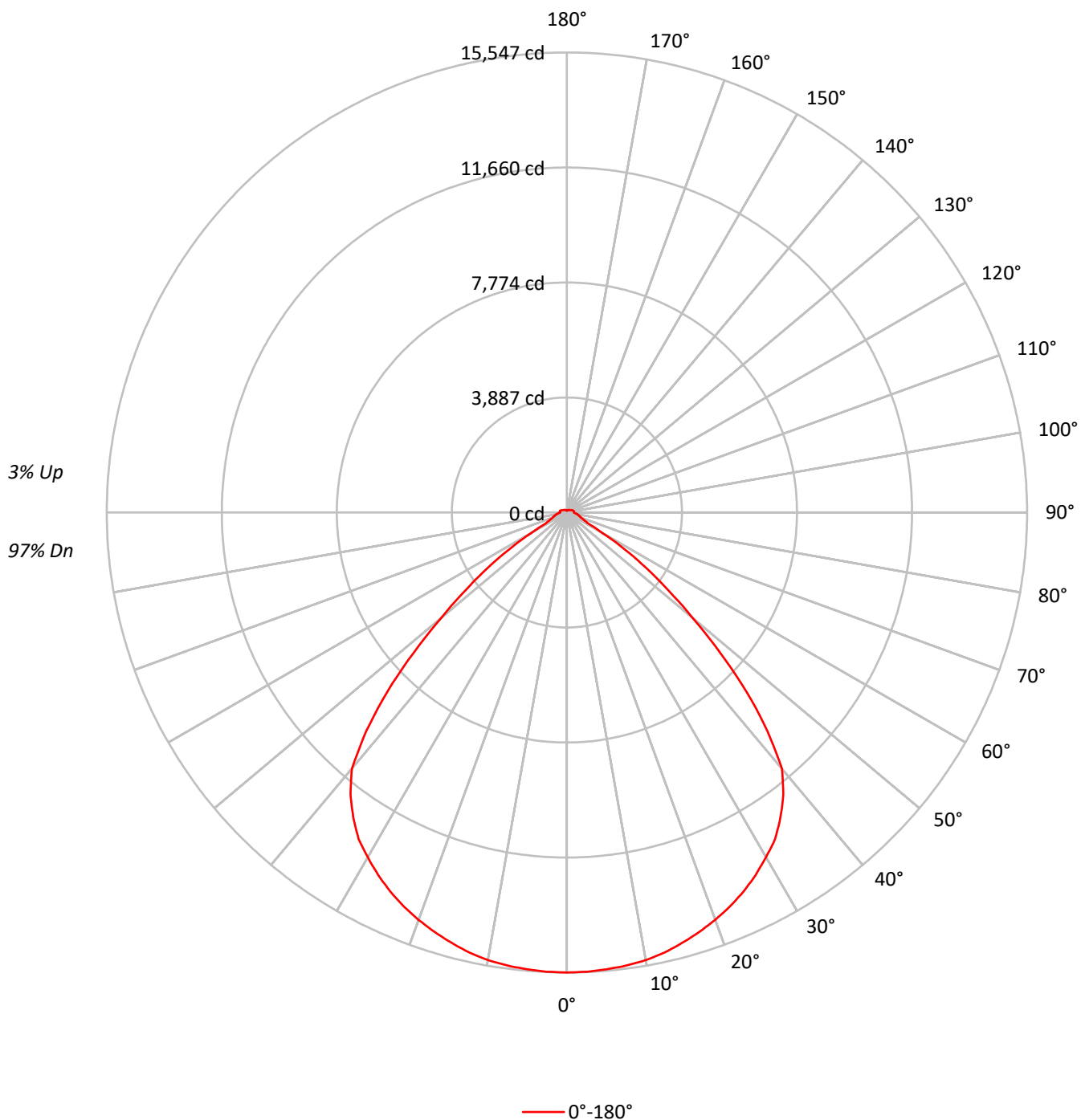
Lumens per Lamp: N/A
Luminaire Lumens: 32157.0 lumens
Efficiency: N/A
Efficacy: 168.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 191
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°	119196
5°	116806
10°	114774
15°	112363
20°	109995
25°	107592
30°	104704
35°	100918
40°	94284
45°	75347
50°	51488
55°	32612
60°	15351
65°	8140
70°	6971
75°	6768
80°	6778
85°	6917

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75347 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1475.0	4.6
10°-20°	4253.4	13.2
20°-30°	6509.5	20.2
30°-40°	7835.0	24.4
40°-50°	6540.0	20.3
50°-60°	2963.4	9.2
60°-70°	752.5	2.3
70°-80°	458.2	1.4
80°-90°	319.7	1.0
90°-100°	258.0	0.8
100°-110°	243.2	0.8
110°-120°	180.9	0.6
120°-130°	129.0	0.4
130°-140°	96.9	0.3
140°-150°	69.5	0.2
150°-160°	44.5	0.1
160°-170°	22.4	0.1
170°-180°	6.0	0.0
0°-30°	12237.9	38.1
0°-40°	20072.9	62.4
0°-60°	29576.3	92.0
0°-90°	31106.6	96.7
90°-120°	682.2	2.1
90°-150°	977.5	3.0
90°-180°	1050.0	3.3
0°-180°	32157.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15547	
5°	15493	###
15°	15059	4253
25°	14130	6509
35°	12580	7835
45°	8604	6540
55°	3269	2963
65°	678	752
75°	432	458
85°	293	253
90°	229	130
95°	236	195
105°	232	243
115°	180	181
125°	144	129
135°	124	97
145°	110	69
155°	95	44
165°	78	22
175°	61	6
180°	58	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15546.9
2.5°	15534.7
5°	15493.3
7.5°	15442.1
10°	15361.6
12.5°	15234.9
15°	15059.3
17.5°	14866.7
20°	14649.8
22.5°	14406.0
25°	14130.5
27.5°	13806.2
30°	13452.7
32.5°	13089.5
35°	12579.9
37.5°	12009.4
40°	11302.4
42.5°	10037.1
45°	8603.6
47.5°	7036.0
50°	5541.5
52.5°	4317.6
55°	3269.3
57.5°	2303.9
60°	1414.0
62.5°	824.0
65°	677.8
67.5°	585.1
70°	514.4
72.5°	470.5
75°	431.5
77.5°	395.0
80°	360.8
82.5°	326.7
85°	292.6
87.5°	258.4
90°	229.2
92.5°	231.6
95°	236.5
97.5°	241.4
100°	243.8
102.5°	238.9
105°	231.6
107.5°	221.9
110°	209.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	195.0
115°	180.4
117.5°	168.2
120°	158.5
122.5°	148.7
125°	143.8
127.5°	136.5
130°	131.7
132.5°	129.2
135°	124.3
137.5°	121.9
140°	117.0
142.5°	114.6
145°	109.7
147.5°	107.3
150°	102.4
152.5°	100.0
155°	95.1
157.5°	92.6
160°	87.8
162.5°	82.9
165°	78.0
167.5°	73.1
170°	68.3
172.5°	60.9
175°	60.9
177.5°	60.9
180°	58.5

(END OF REPORT)