

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: P980760

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980760
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-5000K-FRR3
Description: UHBS2 LED High Bay at 5000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

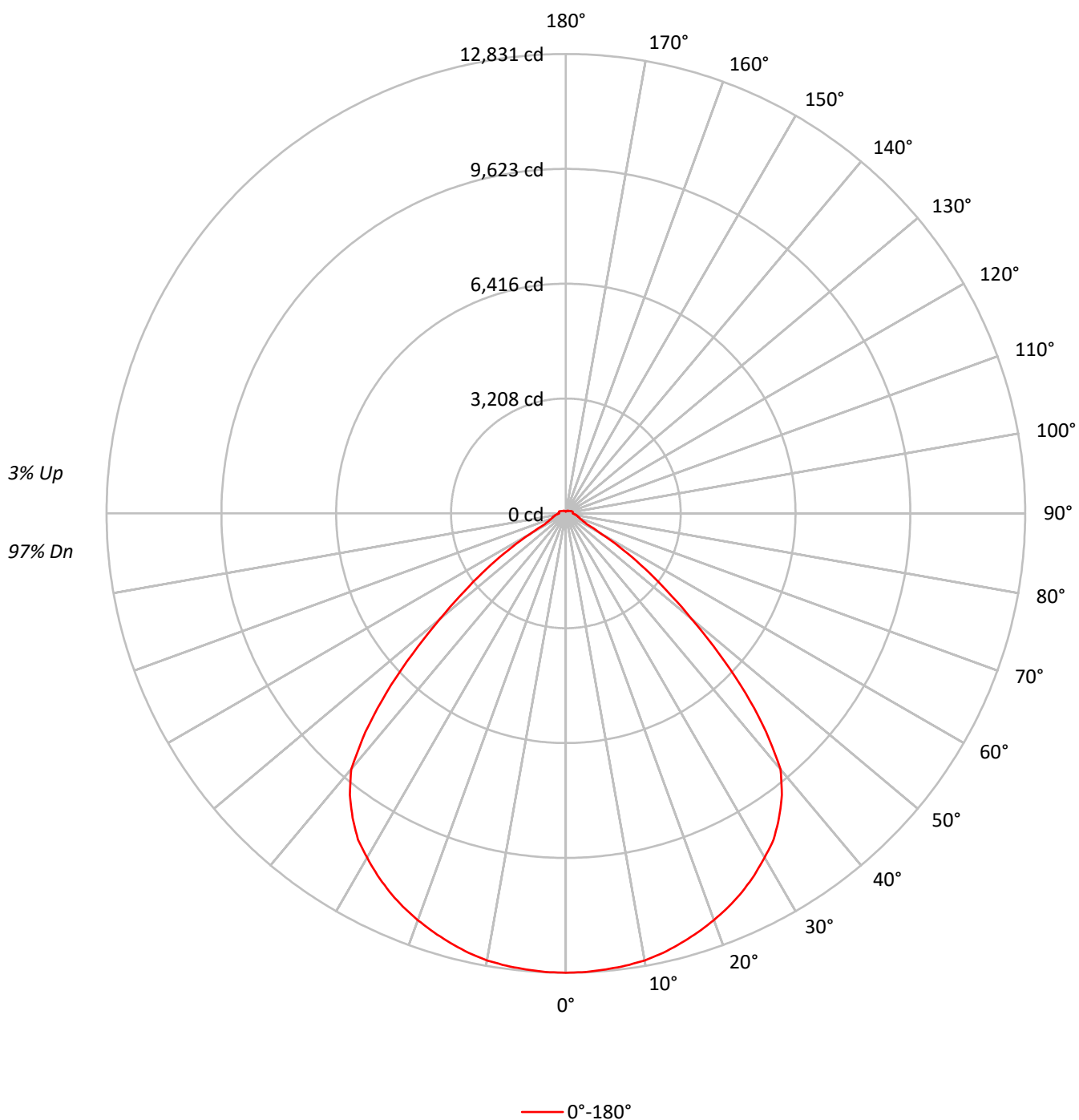
Lumens per Lamp: N/A
Luminaire Lumens: 26540.0 lumens
Efficiency: N/A
Efficacy: 172.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 153.7
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°	98376
5°	96403
10°	94726
15°	92736
20°	90781
25°	88798
30°	86415
35°	83290
40°	77815
45°	62186
50°	42494
55°	26916
60°	12670
65°	6718
70°	5754
75°	5586
80°	5595
85°	5709

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62186 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1217.4	4.6
10°-20°	3510.4	13.2
20°-30°	5372.4	20.2
30°-40°	6466.4	24.4
40°-50°	5397.7	20.3
50°-60°	2445.8	9.2
60°-70°	621.0	2.3
70°-80°	378.1	1.4
80°-90°	263.9	1.0
90°-100°	212.9	0.8
100°-110°	200.7	0.8
110°-120°	149.3	0.6
120°-130°	106.5	0.4
130°-140°	80.0	0.3
140°-150°	57.3	0.2
150°-160°	36.7	0.1
160°-170°	18.5	0.1
170°-180°	4.9	0.0
0°-30°	10100.2	38.1
0°-40°	16566.7	62.4
0°-60°	24410.1	92.0
0°-90°	25673.1	96.7
90°-120°	563.0	2.1
90°-150°	806.8	3.0
90°-180°	867.0	3.3
0°-180°	26540.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12831	
5°	12787	###
15°	12429	3510
25°	11662	5372
35°	10382	6466
45°	7101	5398
55°	2698	2446
65°	559	621
75°	356	378
85°	242	209
90°	189	107
95°	195	161
105°	191	201
115°	149	149
125°	119	106
135°	103	80
145°	90	57
155°	78	37
165°	64	18
175°	50	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12831.3
2.5°	12821.2
5°	12787.0
7.5°	12744.8
10°	12678.4
12.5°	12573.7
15°	12428.9
17.5°	12269.9
20°	12090.8
22.5°	11889.6
25°	11662.2
27.5°	11394.6
30°	11102.9
32.5°	10803.1
35°	10382.5
37.5°	9911.7
40°	9328.2
42.5°	8283.9
45°	7100.8
47.5°	5807.0
50°	4573.5
52.5°	3563.5
55°	2698.3
57.5°	1901.5
60°	1167.0
62.5°	680.1
65°	559.4
67.5°	482.9
70°	424.6
72.5°	388.3
75°	356.1
77.5°	326.0
80°	297.8
82.5°	269.6
85°	241.5
87.5°	213.3
90°	189.1
92.5°	191.2
95°	195.2
97.5°	199.2
100°	201.2
102.5°	197.2
105°	191.2
107.5°	183.1
110°	173.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	161.0
115°	148.9
117.5°	138.8
120°	130.8
122.5°	122.7
125°	118.7
127.5°	112.7
130°	108.7
132.5°	106.6
135°	102.6
137.5°	100.6
140°	96.6
142.5°	94.6
145°	90.5
147.5°	88.5
150°	84.5
152.5°	82.5
155°	78.5
157.5°	76.5
160°	72.4
162.5°	68.4
165°	64.4
167.5°	60.4
170°	56.3
172.5°	50.3
175°	50.3
177.5°	50.3
180°	48.3

(END OF REPORT)