

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: P980769

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980769
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-3500K-FRR3
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

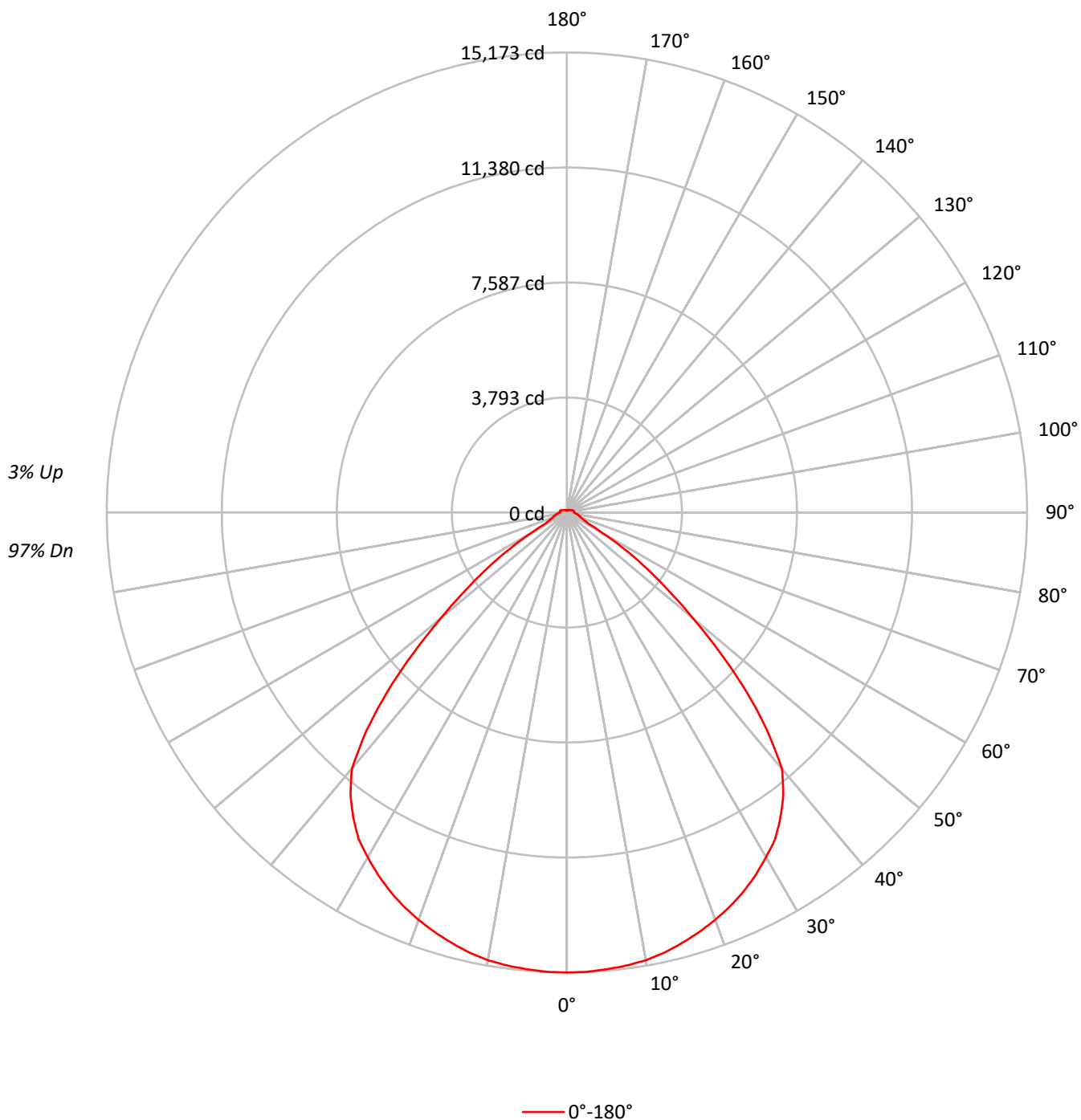
Lumens per Lamp: N/A
Luminaire Lumens: 31383.9 lumens
Efficiency: N/A
Efficacy: 163.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 192.4
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
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°	116331
5°	113998
10°	112015
15°	109662
20°	107350
25°	105005
30°	102187
35°	98492
40°	92017
45°	73536
50°	50250
55°	31828
60°	14982
65°	7944
70°	6803
75°	6605
80°	6615
85°	6749

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 73536 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1439.5	4.6
10°-20°	4151.2	13.2
20°-30°	6353.0	20.2
30°-40°	7646.7	24.4
40°-50°	6382.8	20.3
50°-60°	2892.1	9.2
60°-70°	734.4	2.3
70°-80°	447.1	1.4
80°-90°	312.0	1.0
90°-100°	251.8	0.8
100°-110°	237.4	0.8
110°-120°	176.6	0.6
120°-130°	125.9	0.4
130°-140°	94.6	0.3
140°-150°	67.8	0.2
150°-160°	43.4	0.1
160°-170°	21.9	0.1
170°-180°	5.8	0.0
0°-30°	11943.7	38.1
0°-40°	19590.4	62.4
0°-60°	28865.3	92.0
0°-90°	30358.8	96.7
90°-120°	665.7	2.1
90°-150°	954.0	3.0
90°-180°	1025.0	3.3
0°-180°	31383.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15173	
5°	15121	###
15°	14697	4151
25°	13791	6353
35°	12278	7647
45°	8397	6383
55°	3191	2892
65°	662	734
75°	421	447
85°	286	247
90°	224	127
95°	231	190
105°	226	237
115°	176	177
125°	140	126
135°	121	95
145°	107	68
155°	93	43
165°	76	22
175°	60	6
180°	57	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15173.2
2.5°	15161.3
5°	15120.9
7.5°	15070.9
10°	14992.4
12.5°	14868.7
15°	14697.3
17.5°	14509.4
20°	14297.6
22.5°	14059.7
25°	13790.8
27.5°	13474.3
30°	13129.3
32.5°	12774.8
35°	12277.5
37.5°	11720.8
40°	11030.7
42.5°	9795.8
45°	8396.8
47.5°	6866.8
50°	5408.3
52.5°	4213.9
55°	3190.7
57.5°	2248.5
60°	1380.0
62.5°	804.2
65°	661.5
67.5°	571.0
70°	502.0
72.5°	459.2
75°	421.1
77.5°	385.5
80°	352.1
82.5°	318.8
85°	285.5
87.5°	252.2
90°	223.7
92.5°	226.0
95°	230.8
97.5°	235.6
100°	237.9
102.5°	233.2
105°	226.0
107.5°	216.5
110°	204.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	190.3
115°	176.1
117.5°	164.2
120°	154.7
122.5°	145.1
125°	140.4
127.5°	133.2
130°	128.5
132.5°	126.1
135°	121.3
137.5°	119.0
140°	114.2
142.5°	111.8
145°	107.1
147.5°	104.7
150°	99.9
152.5°	97.6
155°	92.8
157.5°	90.4
160°	85.7
162.5°	80.9
165°	76.1
167.5°	71.4
170°	66.6
172.5°	59.5
175°	59.5
177.5°	59.5
180°	57.1

(END OF REPORT)