

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: P980634

Luminaire Tested: UHBS2-1218-W-L83065-LOW-3500K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980634
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: UHBS2-1218-W-L83065-LOW-3500K-FRR3
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

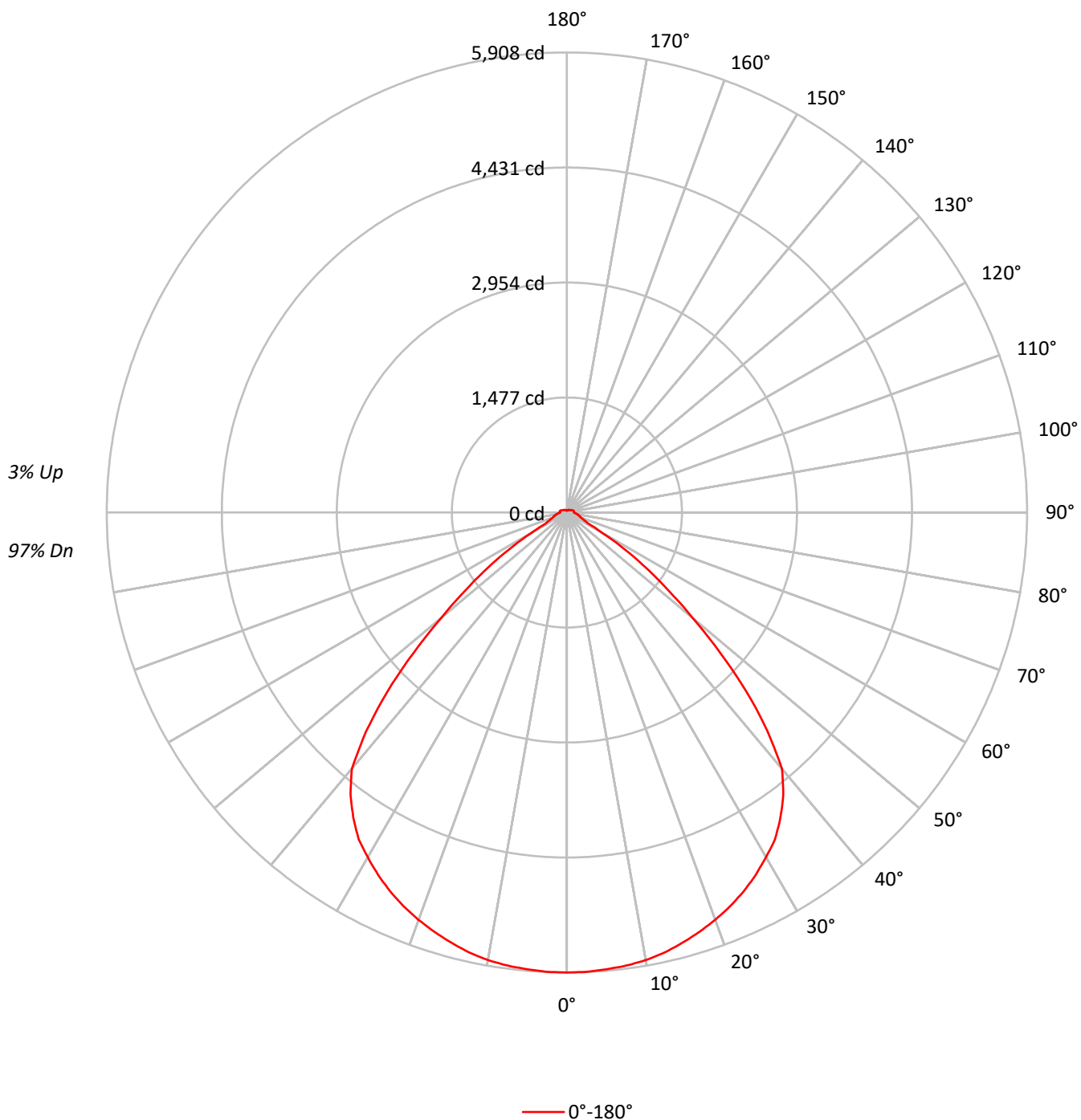
Lumens per Lamp: N/A
Luminaire Lumens: 12220.0 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 79.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.2
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	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°	59556
5°	58187
10°	57010
15°	55652
20°	54323
25°	52981
30°	51404
35°	49388
40°	45985
45°	36615
50°	24918
55°	15710
60°	7355
65°	3876
70°	3293
75°	3164
80°	3123
85°	3121

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36615 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	560.5	4.6
10°-20°	1616.3	13.2
20°-30°	2473.7	20.2
30°-40°	2977.4	24.4
40°-50°	2485.3	20.3
50°-60°	1126.1	9.2
60°-70°	285.9	2.3
70°-80°	174.1	1.4
80°-90°	121.5	1.0
90°-100°	98.0	0.8
100°-110°	92.4	0.8
110°-120°	68.8	0.6
120°-130°	49.0	0.4
130°-140°	36.8	0.3
140°-150°	26.4	0.2
150°-160°	16.9	0.1
160°-170°	8.5	0.1
170°-180°	2.3	0.0
0°-30°	4650.5	38.1
0°-40°	7627.9	62.4
0°-60°	11239.3	92.0
0°-90°	11820.8	96.7
90°-120°	259.2	2.1
90°-150°	371.5	3.0
90°-180°	399.0	3.3
0°-180°	12220.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5908	
5°	5888	561
15°	5723	1616
25°	5370	2474
35°	4780	2977
45°	3270	2485
55°	1242	1126
65°	258	286
75°	164	174
85°	111	96
90°	87	49
95°	90	74
105°	88	92
115°	69	69
125°	55	49
135°	47	37
145°	42	26
155°	36	17
165°	30	9
175°	23	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5908.0
2.5°	5903.4
5°	5887.6
7.5°	5868.2
10°	5837.6
12.5°	5789.4
15°	5722.7
17.5°	5649.5
20°	5567.1
22.5°	5474.4
25°	5369.7
27.5°	5246.5
30°	5112.2
32.5°	4974.1
35°	4780.5
37.5°	4563.7
40°	4295.0
42.5°	3814.2
45°	3269.5
47.5°	2673.7
50°	2105.8
52.5°	1640.8
55°	1242.4
57.5°	875.5
60°	537.3
62.5°	313.1
65°	257.6
67.5°	222.3
70°	195.5
72.5°	178.8
75°	164.0
77.5°	150.1
80°	137.1
82.5°	124.1
85°	111.2
87.5°	98.2
90°	87.1
92.5°	88.0
95°	89.9
97.5°	91.7
100°	92.6
102.5°	90.8
105°	88.0
107.5°	84.3
110°	79.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	74.1
115°	68.6
117.5°	63.9
120°	60.2
122.5°	56.5
125°	54.7
127.5°	51.9
130°	50.0
132.5°	49.1
135°	47.2
137.5°	46.3
140°	44.5
142.5°	43.5
145°	41.7
147.5°	40.8
150°	38.9
152.5°	38.0
155°	36.1
157.5°	35.2
160°	33.4
162.5°	31.5
165°	29.6
167.5°	27.8
170°	25.9
172.5°	23.2
175°	23.2
177.5°	23.2
180°	22.2

(END OF REPORT)