

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: P980633

Luminaire Tested: UHBS2-1218-W-L83065-LOW-3500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-W-L83065-LOW-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

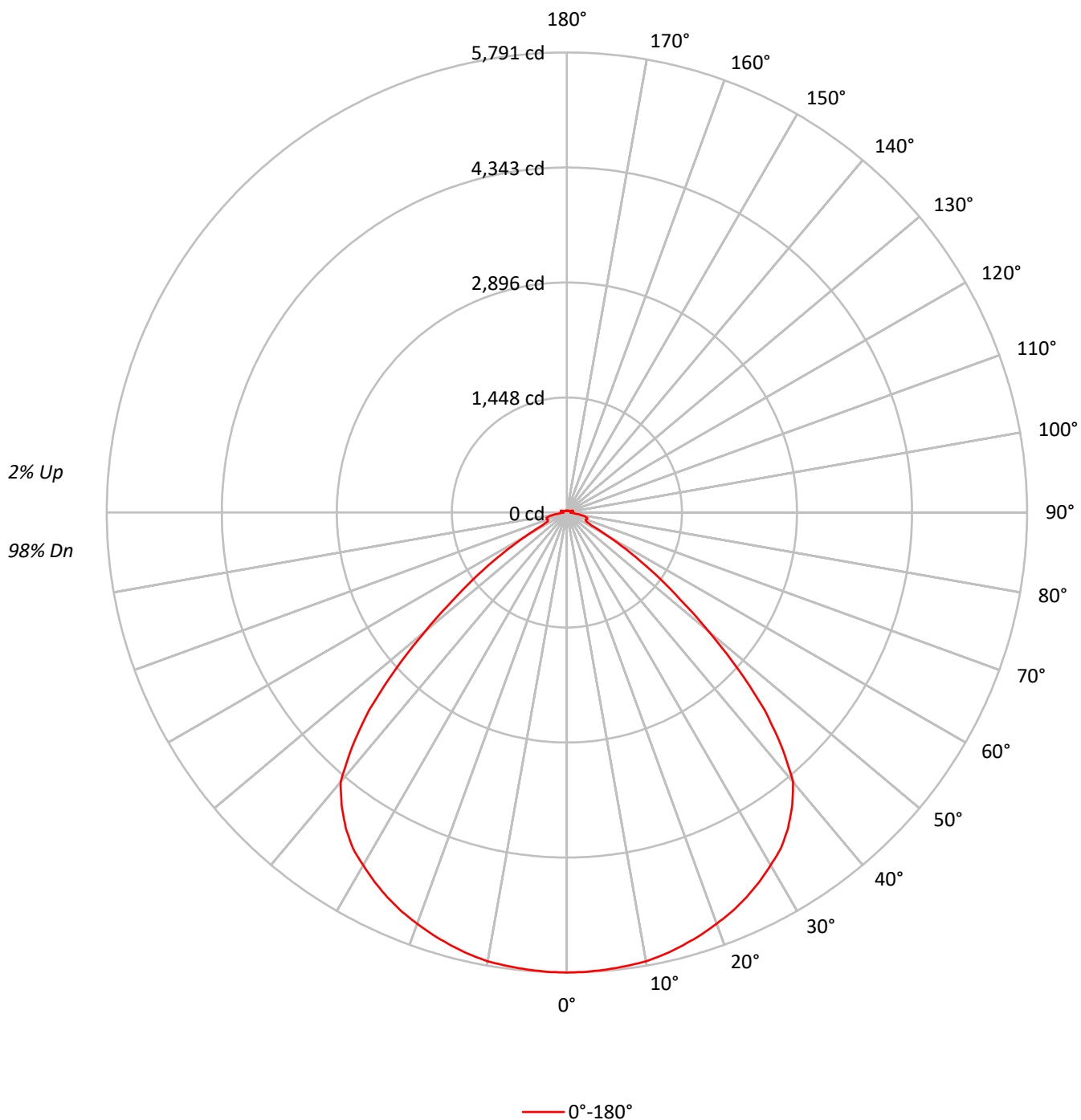
Lumens per Lamp: N/A
Luminaire Lumens: 12469.0 lumens
Efficiency: N/A
Efficacy: 157.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100
1	111	107	104	101	108	105	102	99	100	98	95		96	94	92		92
2	103	96	91	86	100	94	89	85	90	86	83		87	84	81		84
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76
4	88	78	71	65	86	77	70	65	74	68	64		72	67	63		70
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64
6	76	65	57	51	74	64	56	51	62	55	50		60	54	50		58
7	71	59	51	46	69	58	51	46	57	50	45		55	49	45		54
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50
9	62	50	43	38	61	49	42	37	48	42	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58379
5°	57061
10°	56024
15°	54852
20°	53755
25°	52747
30°	51558
35°	50113
40°	47424
45°	39401
50°	27542
55°	17245
60°	8162
65°	4109
70°	4365
75°	5109
80°	3923
85°	2001

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39401 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.0	4.4
10°-20°	1593.9	12.8
20°-30°	2464.2	19.8
30°-40°	3022.0	24.2
40°-50°	2654.1	21.3
50°-60°	1237.5	9.9
60°-70°	321.5	2.6
70°-80°	259.5	2.1
80°-90°	93.0	0.7
90°-100°	60.2	0.5
100°-110°	82.7	0.7
110°-120°	47.7	0.4
120°-130°	26.2	0.2
130°-140°	19.7	0.2
140°-150°	16.8	0.1
150°-160°	12.2	0.1
160°-170°	6.2	0.0
170°-180°	1.6	0.0
0°-30°	4608.1	37.0
0°-40°	7630.1	61.2
0°-60°	11521.8	92.4
0°-90°	12195.8	97.8
90°-120°	190.6	1.5
90°-150°	253.2	2.0
90°-180°	273.0	2.2
0°-180°	12469.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5791	
5°	5774	550
15°	5640	1594
25°	5346	2464
35°	4851	3022
45°	3518	2654
55°	1364	1238
65°	273	321
75°	265	259
85°	71	80
90°	43	25
95°	53	48
105°	82	83
115°	46	48
125°	29	26
135°	25	20
145°	27	17
155°	27	12
165°	21	6
175°	17	2
180°	17	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5791.3
2.5°	5786.7
5°	5773.7
7.5°	5757.1
10°	5736.7
12.5°	5695.0
15°	5640.4
17.5°	5580.2
20°	5508.9
22.5°	5434.9
25°	5346.0
27.5°	5241.4
30°	5127.5
32.5°	5012.7
35°	4850.6
37.5°	4655.3
40°	4429.4
42.5°	4000.7
45°	3518.3
47.5°	2926.7
50°	2327.6
52.5°	1798.0
55°	1363.8
57.5°	959.2
60°	596.3
62.5°	346.3
65°	273.1
67.5°	255.5
70°	259.2
72.5°	269.4
75°	264.8
77.5°	232.4
80°	172.2
82.5°	111.1
85°	71.3
87.5°	51.8
90°	42.6
92.5°	45.4
95°	52.8
97.5°	63.9
100°	75.0
102.5°	82.4
105°	82.4
107.5°	76.8
110°	66.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	55.6
115°	46.3
117.5°	38.9
120°	34.3
122.5°	30.6
125°	28.7
127.5°	26.9
130°	25.9
132.5°	25.0
135°	25.0
137.5°	25.9
140°	25.9
142.5°	26.9
145°	26.9
147.5°	26.9
150°	26.9
152.5°	26.9
155°	26.9
157.5°	25.9
160°	24.1
162.5°	23.1
165°	21.3
167.5°	20.4
170°	18.5
172.5°	16.7
175°	16.7
177.5°	16.7
180°	16.7

(END OF REPORT)