

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: P980573

Luminaire Tested: UHBS2-1218-M-L83065-MID-3500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-M-L83065-MID-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

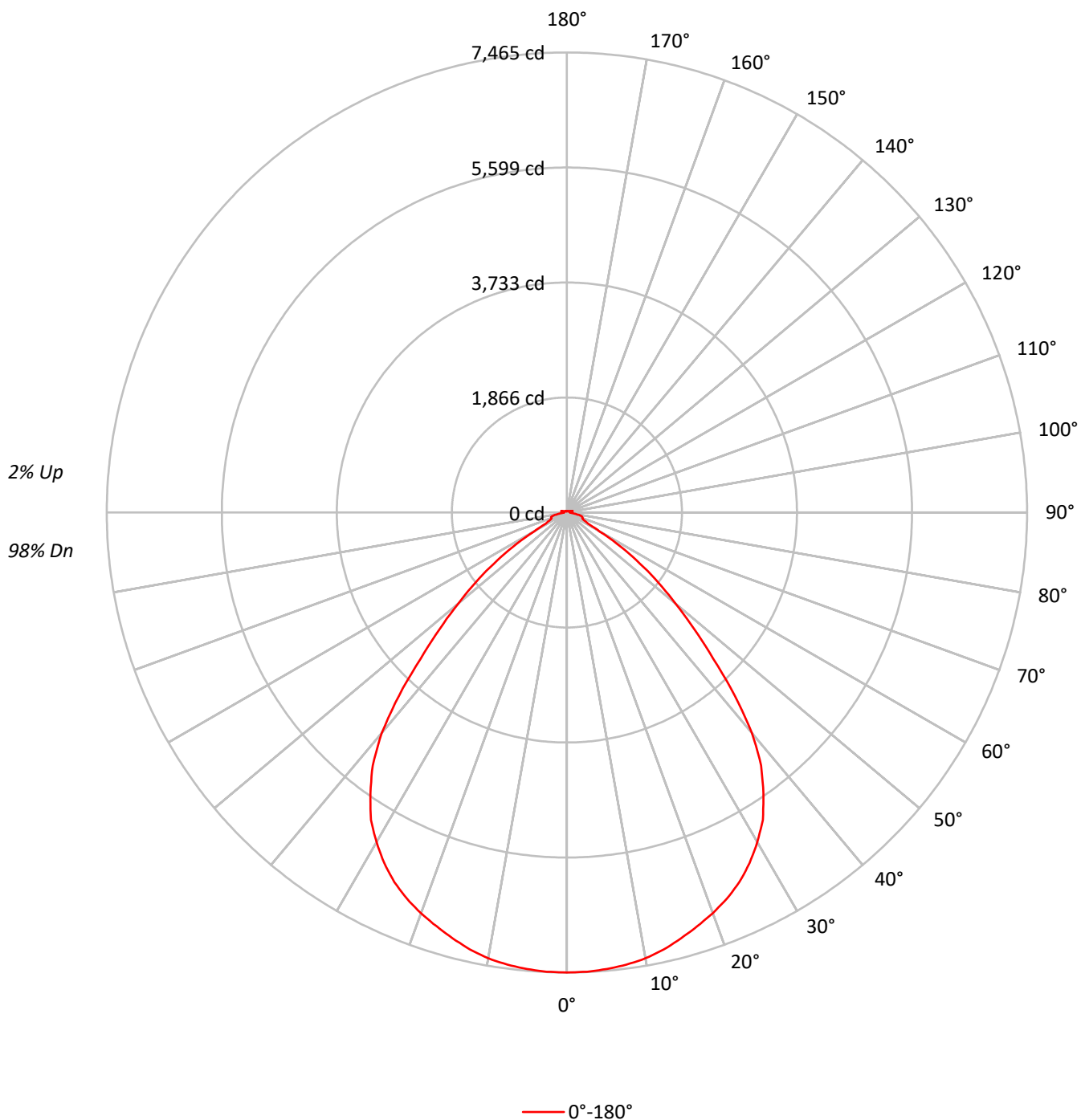
Lumens per Lamp: N/A
Luminaire Lumens: 14119.1 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 97.6
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.15
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100	98
1	111	107	104	101	108	105	102	99	100	98	96		96	94	93		92	91	90	88
2	103	97	92	87	101	95	90	86	91	87	84		88	85	82		85	82	80	78
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77	74	71	69
4	89	80	72	67	87	78	72	66	76	70	65		73	68	64		71	67	63	61
5	83	73	65	59	81	71	64	59	69	63	58		67	62	58		65	61	57	55
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	46	45
8	68	56	49	44	66	55	48	43	54	48	43		53	47	43		51	46	42	41
9	64	52	45	40	62	51	44	40	50	44	39		49	43	39		48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36		45	40	36		45	39	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75247
5°	73492
10°	71739
15°	69570
20°	67520
25°	65303
30°	62112
35°	57407
40°	50004
45°	37628
50°	27271
55°	18335
60°	8372
65°	4757
70°	4461
75°	4922
80°	3602
85°	1959

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37628 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	707.0	5.0
10°-20°	2019.8	14.3
20°-30°	3041.0	21.5
30°-40°	3447.6	24.4
40°-50°	2622.7	18.6
50°-60°	1292.5	9.2
60°-70°	349.8	2.5
70°-80°	251.3	1.8
80°-90°	89.7	0.6
90°-100°	68.8	0.5
100°-110°	93.5	0.7
110°-120°	50.3	0.4
120°-130°	27.1	0.2
130°-140°	20.5	0.1
140°-150°	17.1	0.1
150°-160°	12.4	0.1
160°-170°	6.3	0.0
170°-180°	1.8	0.0
0°-30°	5767.8	40.9
0°-40°	9215.4	65.3
0°-60°	13130.5	93.0
0°-90°	13821.3	97.9
90°-120°	212.6	1.5
90°-150°	277.3	2.0
90°-180°	298.0	2.1
0°-180°	14119.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7465	
5°	7436	707
15°	7154	2020
25°	6619	3041
35°	5557	3448
45°	3360	2623
55°	1450	1292
65°	316	350
75°	255	251
85°	70	76
90°	47	27
95°	60	55
105°	94	93
115°	49	50
125°	29	27
135°	26	21
145°	27	17
155°	27	12
165°	22	6
175°	18	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7464.6
2.5°	7459.1
5°	7436.2
7.5°	7400.3
10°	7345.8
12.5°	7264.0
15°	7153.9
17.5°	7039.4
20°	6919.5
22.5°	6783.2
25°	6618.6
27.5°	6415.8
30°	6177.1
32.5°	5914.3
35°	5556.7
37.5°	5174.1
40°	4670.4
42.5°	4034.8
45°	3360.0
47.5°	2795.3
50°	2304.7
52.5°	1873.0
55°	1450.0
57.5°	1045.5
60°	611.6
62.5°	383.7
65°	316.2
67.5°	279.1
70°	264.9
72.5°	267.1
75°	255.1
77.5°	218.0
80°	158.1
82.5°	102.5
85°	69.8
87.5°	54.5
90°	46.9
92.5°	51.2
95°	60.0
97.5°	74.1
100°	87.2
102.5°	94.8
105°	93.8
107.5°	85.0
110°	72.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	58.9
115°	49.1
117.5°	40.3
120°	34.9
122.5°	31.6
125°	29.4
127.5°	28.3
130°	27.3
132.5°	26.2
135°	26.2
137.5°	26.2
140°	27.3
142.5°	27.3
145°	27.3
147.5°	27.3
150°	27.3
152.5°	27.3
155°	27.3
157.5°	26.2
160°	25.1
162.5°	22.9
165°	21.8
167.5°	20.7
170°	19.6
172.5°	18.5
175°	18.5
177.5°	18.5
180°	18.5

(END OF REPORT)