

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: P980552

Luminaire Tested: UHBS2-1218-M-L83065-HIGH-6500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980552
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-HIGH-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

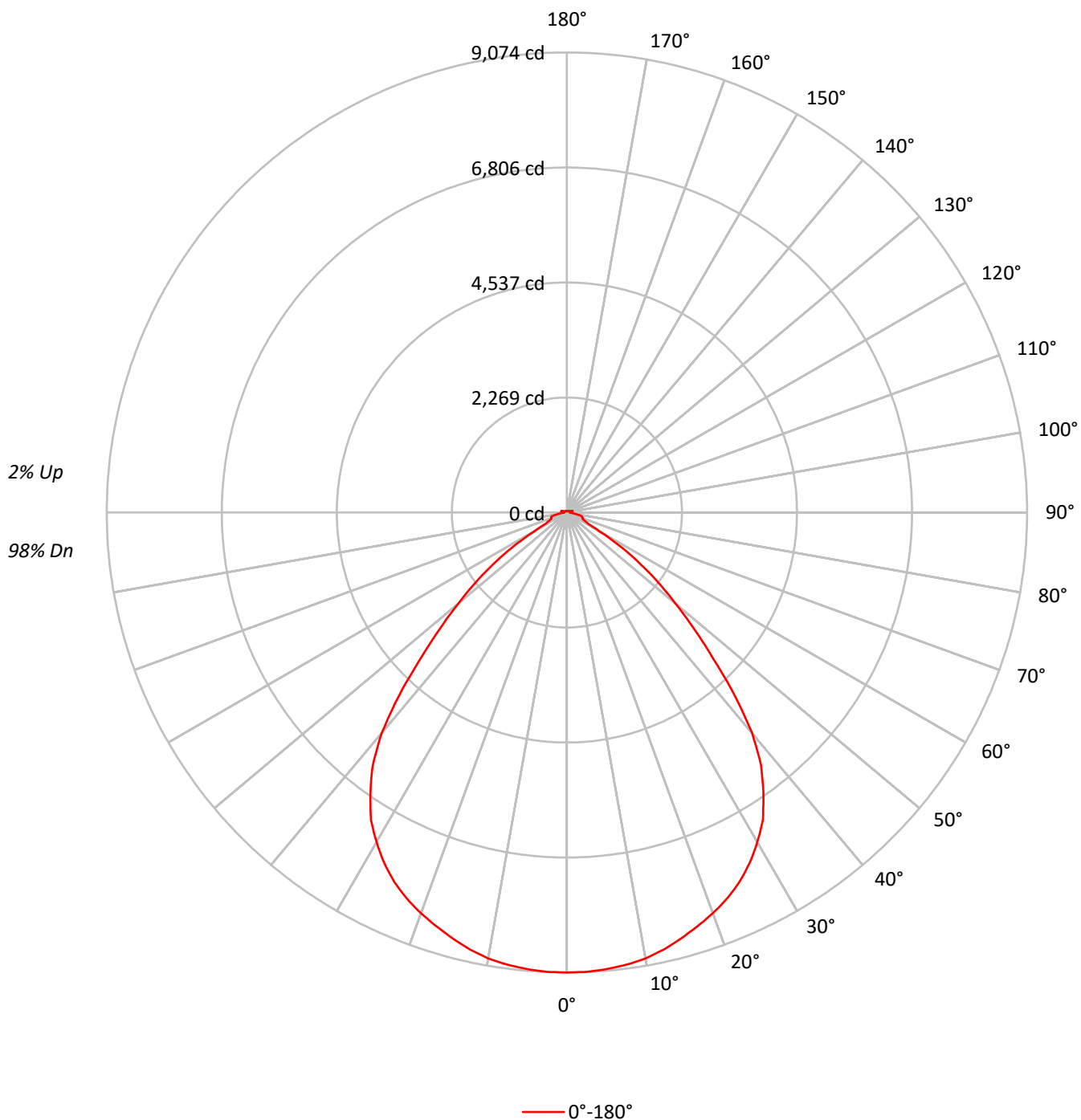
Lumens per Lamp: N/A
Luminaire Lumens: 17164.0 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 122.1
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 6.9
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	96		96	94	93		92
2	103	97	92	87	101	95	90	86	91	87	84		88	85	82		85
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77
4	89	80	72	67	87	78	72	66	76	70	65		73	68	64		71
5	83	73	65	59	81	71	64	59	69	63	58		67	62	58		65
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55
8	68	56	49	44	66	55	48	43	54	48	43		53	47	43		51
9	64	52	45	40	62	51	44	40	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		45	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91475
5°	89342
10°	87210
15°	84573
20°	82082
25°	79387
30°	75506
35°	69788
40°	60789
45°	45743
50°	33152
55°	22289
60°	10177
65°	5782
70°	5425
75°	5983
80°	4379
85°	2380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 45743 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.5	5.0
10°-20°	2455.4	14.3
20°-30°	3696.8	21.5
30°-40°	4191.1	24.4
40°-50°	3188.3	18.6
50°-60°	1571.2	9.2
60°-70°	425.3	2.5
70°-80°	305.5	1.8
80°-90°	109.0	0.6
90°-100°	83.6	0.5
100°-110°	113.7	0.7
110°-120°	61.1	0.4
120°-130°	32.9	0.2
130°-140°	24.9	0.1
140°-150°	20.8	0.1
150°-160°	15.1	0.1
160°-170°	7.6	0.0
170°-180°	2.2	0.0
0°-30°	7011.7	40.9
0°-40°	11202.8	65.3
0°-60°	15962.3	93.0
0°-90°	16802.1	97.9
90°-120°	258.4	1.5
90°-150°	337.0	2.0
90°-180°	362.0	2.1
0°-180°	17164.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9074	
5°	9040	859
15°	8697	2455
25°	8046	3697
35°	6755	4191
45°	4085	3188
55°	1763	1571
65°	384	425
75°	310	306
85°	85	92
90°	57	33
95°	73	67
105°	114	114
115°	60	61
125°	36	33
135°	32	25
145°	33	21
155°	33	15
165°	26	8
175°	22	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9074.4
2.5°	9067.8
5°	9040.0
7.5°	8996.3
10°	8930.0
12.5°	8830.6
15°	8696.7
17.5°	8557.6
20°	8411.8
22.5°	8246.1
25°	8046.0
27.5°	7799.5
30°	7509.2
32.5°	7189.8
35°	6755.1
37.5°	6290.0
40°	5677.7
42.5°	4905.0
45°	4084.6
47.5°	3398.1
50°	2801.7
52.5°	2276.9
55°	1762.7
57.5°	1271.0
60°	743.5
62.5°	466.5
65°	384.3
67.5°	339.3
70°	322.1
72.5°	324.7
75°	310.1
77.5°	265.1
80°	192.2
82.5°	124.6
85°	84.8
87.5°	66.3
90°	57.0
92.5°	62.3
95°	72.9
97.5°	90.1
100°	106.0
102.5°	115.3
105°	114.0
107.5°	103.4
110°	87.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.6
115°	59.6
117.5°	49.0
120°	42.4
122.5°	38.4
125°	35.8
127.5°	34.5
130°	33.1
132.5°	31.8
135°	31.8
137.5°	31.8
140°	33.1
142.5°	33.1
145°	33.1
147.5°	33.1
150°	33.1
152.5°	33.1
155°	33.1
157.5°	31.8
160°	30.5
162.5°	27.8
165°	26.5
167.5°	25.2
170°	23.9
172.5°	22.5
175°	22.5
177.5°	22.5
180°	22.5

(END OF REPORT)