

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: P980654

Luminaire Tested: UHBS2-1218-W-L83065-MID-5000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980654
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-MID-5000K-CLR3
Description: UHBS2 LED High Bay at 5000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

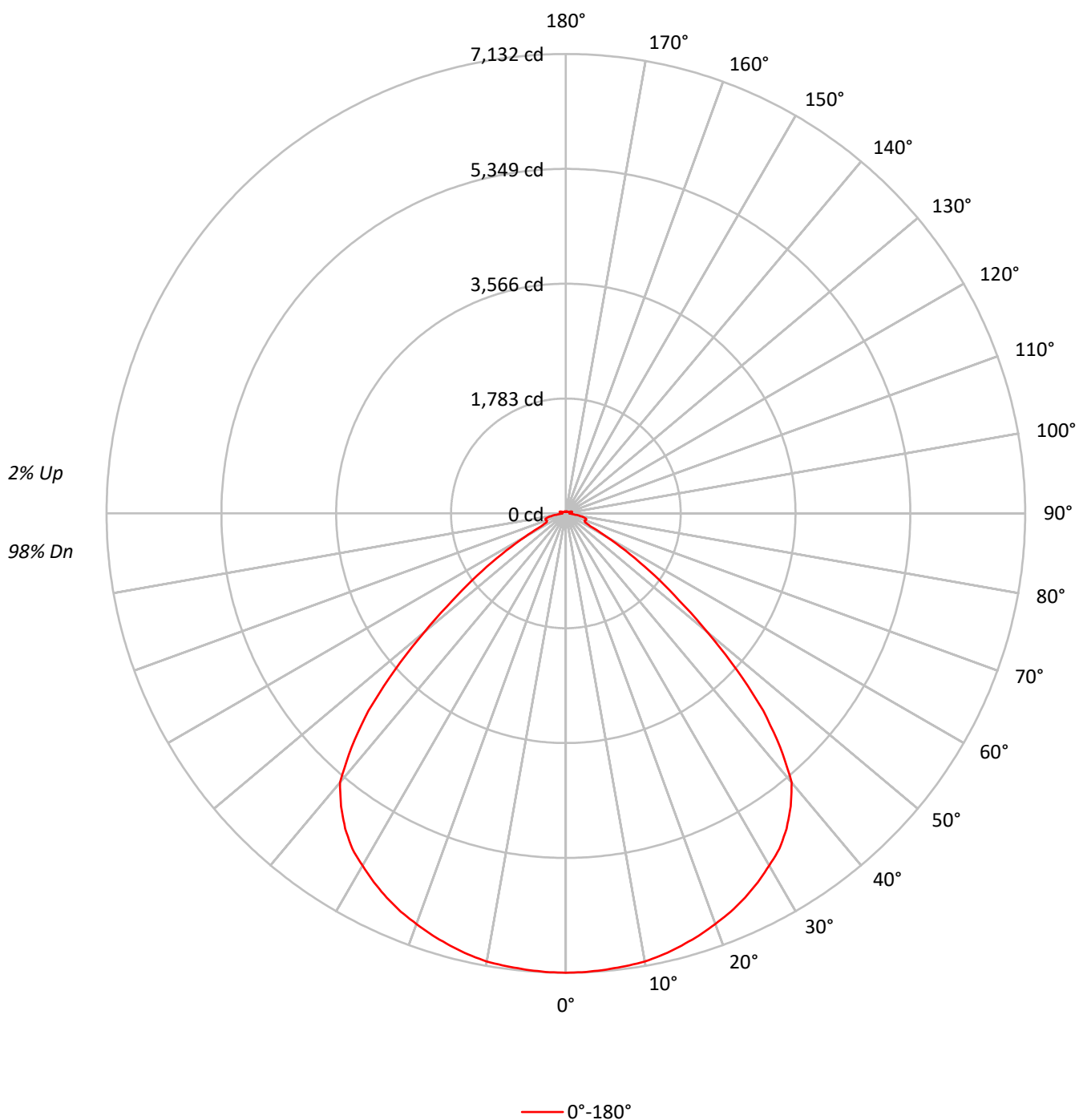
Lumens per Lamp: N/A
Luminaire Lumens: 15356.1 lumens
Efficiency: N/A
Efficacy: 159.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 96.6
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	95		96	94	92		92	90	89	87
2	103	96	91	86	100	94	89	85	90	86	83		87	84	81		84	81	79	77
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76	73	69	67
4	88	78	71	65	86	77	70	65	74	68	64		72	67	63		70	65	62	60
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64	59	55	53
6	76	65	57	51	74	64	56	51	62	55	50		60	54	50		58	53	49	47
7	71	59	51	46	69	58	51	46	57	50	45		55	49	45		54	48	44	43
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40	39
9	62	50	43	38	61	49	42	37	48	42	37		47	41	37		46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43	37	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71896
5°	70274
10°	68996
15°	67552
20°	66203
25°	64960
30°	63495
35°	61716
40°	58404
45°	48523
50°	33920
55°	21238
60°	10052
65°	5061
70°	5378
75°	6291
80°	4832
85°	2465

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	677.3	4.4
10°-20°	1963.0	12.8
20°-30°	3034.8	19.8
30°-40°	3721.7	24.2
40°-50°	3268.7	21.3
50°-60°	1524.1	9.9
60°-70°	396.0	2.6
70°-80°	319.6	2.1
80°-90°	114.6	0.7
90°-100°	74.1	0.5
100°-110°	101.8	0.7
110°-120°	58.7	0.4
120°-130°	32.2	0.2
130°-140°	24.3	0.2
140°-150°	20.7	0.1
150°-160°	15.0	0.1
160°-170°	7.6	0.0
170°-180°	2.0	0.0
0°-30°	5675.1	37.0
0°-40°	9396.8	61.2
0°-60°	14189.5	92.4
0°-90°	15019.6	97.8
90°-120°	234.7	1.5
90°-150°	311.8	2.0
90°-180°	336.0	2.2
0°-180°	15356.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7132	
5°	7111	677
15°	6946	1963
25°	6584	3035
35°	5974	3722
45°	4333	3269
55°	1680	1524
65°	336	396
75°	326	320
85°	88	99
90°	52	31
95°	65	59
105°	102	102
115°	57	59
125°	35	32
135°	31	24
145°	33	21
155°	33	15
165°	26	8
175°	20	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7132.2
2.5°	7126.5
5°	7110.6
7.5°	7090.0
10°	7065.0
12.5°	7013.6
15°	6946.4
17.5°	6872.3
20°	6784.5
22.5°	6693.2
25°	6583.8
27.5°	6454.9
30°	6314.7
32.5°	6173.3
35°	5973.7
37.5°	5733.1
40°	5454.9
42.5°	4927.0
45°	4332.9
47.5°	3604.3
50°	2866.6
52.5°	2214.4
55°	1679.6
57.5°	1181.3
60°	734.3
62.5°	426.5
65°	336.4
67.5°	314.7
70°	319.3
72.5°	331.8
75°	326.1
77.5°	286.2
80°	212.1
82.5°	136.8
85°	87.8
87.5°	63.9
90°	52.5
92.5°	55.9
95°	65.0
97.5°	78.7
100°	92.4
102.5°	101.5
105°	101.5
107.5°	94.6
110°	82.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	68.4
115°	57.0
117.5°	47.9
120°	42.2
122.5°	37.6
125°	35.3
127.5°	33.1
130°	31.9
132.5°	30.8
135°	30.8
137.5°	31.9
140°	31.9
142.5°	33.1
145°	33.1
147.5°	33.1
150°	33.1
152.5°	33.1
155°	33.1
157.5°	31.9
160°	29.6
162.5°	28.5
165°	26.2
167.5°	25.1
170°	22.8
172.5°	20.5
175°	20.5
177.5°	20.5
180°	20.5

(END OF REPORT)