

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: P980611

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980611
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-N-L83065-MID-5000K-CLR3
Description: UHBS2 LED High Bay at 5000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

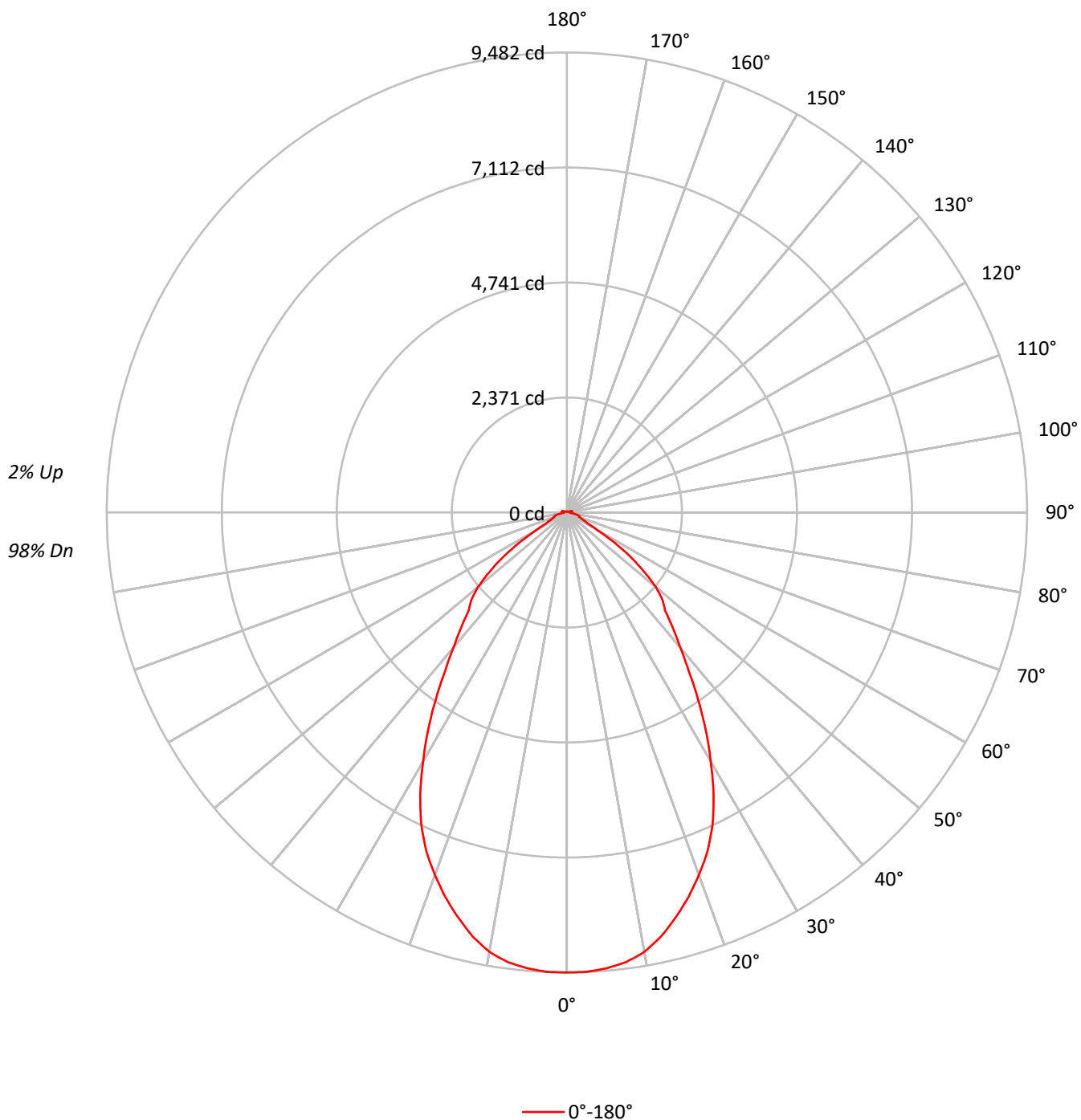
Lumens per Lamp: N/A
Luminaire Lumens: 14265.1 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

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	115	115	115	115	110	110	110		105	105	105		100	100	100	98
1	111	107	104	101	108	105	102	100	101	98	96		96	94	93		93	91	90	88
2	104	97	92	88	101	95	91	87	92	88	84		88	85	82		85	82	80	78
3	97	88	82	77	94	87	81	76	84	79	74		81	76	73		78	75	72	70
4	90	80	73	68	88	79	73	67	76	71	66		74	69	65		72	68	64	62
5	84	74	66	61	82	72	66	60	70	64	60		68	63	59		66	62	58	56
6	79	68	60	55	77	67	60	55	65	59	54		63	58	53		61	57	53	51
7	74	62	55	50	72	61	54	50	60	54	49		58	53	49		57	52	48	46
8	69	58	50	45	68	57	50	45	56	49	45		54	49	45		53	48	44	43
9	65	54	47	42	64	53	46	42	52	46	41		51	45	41		50	44	41	39
10	62	50	43	39	60	49	43	38	48	42	38		47	42	38		46	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95582
5°	93189
10°	89815
15°	84088
20°	77606
25°	70047
30°	59619
35°	48731
40°	38911
45°	32030
50°	28343
55°	20482
60°	9960
65°	5780
70°	4721
75°	4844
80°	3458
85°	2032

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32030 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	893.0	6.3
10°-20°	2426.3	17.0
20°-30°	3230.2	22.6
30°-40°	2948.4	20.7
40°-50°	2269.0	15.9
50°-60°	1414.2	9.9
60°-70°	417.5	2.9
70°-80°	250.3	1.8
80°-90°	91.3	0.6
90°-100°	80.8	0.6
100°-110°	105.4	0.7
110°-120°	52.1	0.4
120°-130°	27.5	0.2
130°-140°	20.9	0.1
140°-150°	16.9	0.1
150°-160°	12.3	0.1
160°-170°	6.8	0.0
170°-180°	2.0	0.0
0°-30°	6549.5	45.9
0°-40°	9497.9	66.6
0°-60°	13181.0	92.4
0°-90°	13940.2	97.7
90°-120°	238.4	1.7
90°-150°	303.8	2.1
90°-180°	325.0	2.3
0°-180°	14265.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9482	
5°	9429	893
15°	8647	2426
25°	7099	3230
35°	4717	2948
45°	2860	2269
55°	1620	1414
65°	384	417
75°	251	250
85°	72	76
90°	54	31
95°	71	65
105°	105	105
115°	50	52
125°	30	28
135°	27	21
145°	27	17
155°	27	12
165°	23	7
175°	21	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9481.8
2.5°	9474.8
5°	9429.2
7.5°	9346.3
10°	9196.8
12.5°	8956.2
15°	8646.8
17.5°	8316.3
20°	7953.1
22.5°	7567.7
25°	7099.4
27.5°	6544.6
30°	5929.2
32.5°	5328.9
35°	4716.9
37.5°	4128.4
40°	3634.3
42.5°	3233.8
45°	2860.1
47.5°	2675.5
50°	2395.3
52.5°	2005.2
55°	1619.8
57.5°	1181.9
60°	727.6
62.5°	488.2
65°	384.2
67.5°	316.5
70°	280.3
72.5°	268.6
75°	251.1
77.5°	212.5
80°	151.8
82.5°	101.6
85°	72.4
87.5°	58.4
90°	53.7
92.5°	59.6
95°	71.2
97.5°	87.6
100°	102.8
102.5°	109.8
105°	105.1
107.5°	93.4
110°	77.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	61.9
115°	50.2
117.5°	40.9
120°	35.0
122.5°	31.5
125°	30.4
127.5°	29.2
130°	28.0
132.5°	26.9
135°	26.9
137.5°	26.9
140°	26.9
142.5°	26.9
145°	26.9
147.5°	26.9
150°	26.9
152.5°	26.9
155°	26.9
157.5°	25.7
160°	25.7
162.5°	24.5
165°	23.4
167.5°	23.4
170°	22.2
172.5°	21.0
175°	21.0
177.5°	22.2
180°	22.2

(END OF REPORT)