

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: P980601

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980601
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-LOW-5000K-CLR3
Description: UHBS2 LED High Bay at 5000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

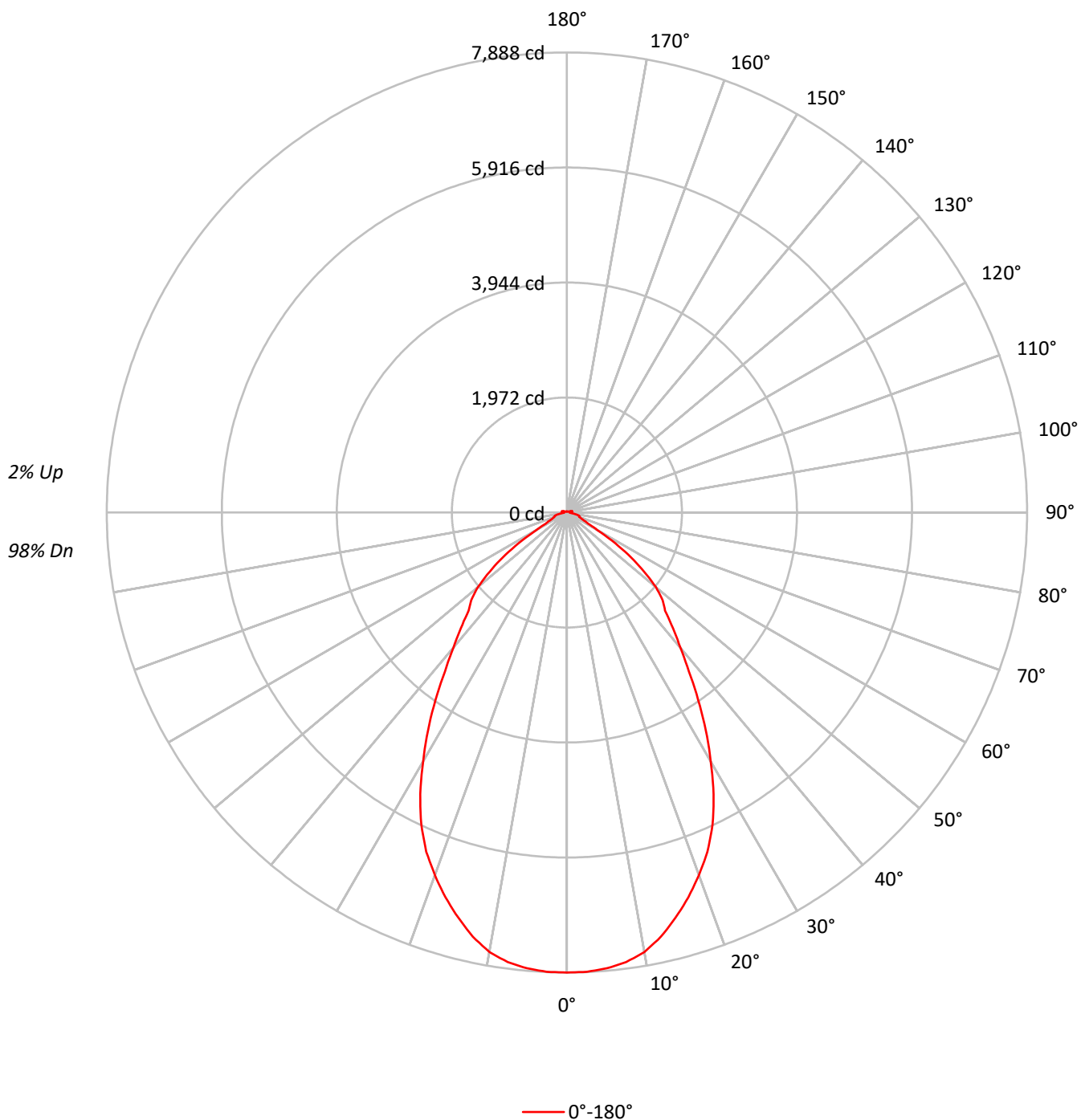
Lumens per Lamp: N/A
Luminaire Lumens: 11867.9 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 79
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				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°	79520
5°	77530
10°	74723
15°	69958
20°	64565
25°	58276
30°	49601
35°	40543
40°	32374
45°	26648
50°	23580
55°	17040
60°	8286
65°	4810
70°	3927
75°	4030
80°	2877
85°	1690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26648 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	742.9	6.3
10°-20°	2018.6	17.0
20°-30°	2687.4	22.6
30°-40°	2453.0	20.7
40°-50°	1887.7	15.9
50°-60°	1176.5	9.9
60°-70°	347.3	2.9
70°-80°	208.3	1.8
80°-90°	75.9	0.6
90°-100°	67.3	0.6
100°-110°	87.7	0.7
110°-120°	43.4	0.4
120°-130°	22.9	0.2
130°-140°	17.4	0.1
140°-150°	14.0	0.1
150°-160°	10.2	0.1
160°-170°	5.6	0.0
170°-180°	1.7	0.0
0°-30°	5449.0	45.9
0°-40°	7901.9	66.6
0°-60°	10966.2	92.4
0°-90°	11597.7	97.7
90°-120°	198.4	1.7
90°-150°	252.7	2.1
90°-180°	270.0	2.3
0°-180°	11867.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7888	
5°	7845	743
15°	7194	2019
25°	5906	2687
35°	3924	2453
45°	2380	1888
55°	1348	1177
65°	320	347
75°	209	208
85°	60	63
90°	45	26
95°	59	54
105°	87	88
115°	42	43
125°	25	23
135°	22	17
145°	22	14
155°	22	10
165°	19	6
175°	18	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7888.5
2.5°	7882.7
5°	7844.8
7.5°	7775.8
10°	7651.4
12.5°	7451.3
15°	7193.8
17.5°	6918.8
20°	6616.7
22.5°	6296.0
25°	5906.4
27.5°	5444.9
30°	4932.9
32.5°	4433.5
35°	3924.3
37.5°	3434.6
40°	3023.7
42.5°	2690.4
45°	2379.5
47.5°	2226.0
50°	1992.8
52.5°	1668.3
55°	1347.6
57.5°	983.3
60°	605.3
62.5°	406.1
65°	319.7
67.5°	263.3
70°	233.2
72.5°	223.5
75°	208.9
77.5°	176.8
80°	126.3
82.5°	84.5
85°	60.2
87.5°	48.6
90°	44.7
92.5°	49.6
95°	59.3
97.5°	72.9
100°	85.5
102.5°	91.3
105°	87.4
107.5°	77.7
110°	64.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.5
115°	41.8
117.5°	34.0
120°	29.1
122.5°	26.2
125°	25.3
127.5°	24.3
130°	23.3
132.5°	22.3
135°	22.3
137.5°	22.3
140°	22.3
142.5°	22.3
145°	22.3
147.5°	22.3
150°	22.3
152.5°	22.3
155°	22.3
157.5°	21.4
160°	21.4
162.5°	20.4
165°	19.4
167.5°	19.4
170°	18.5
172.5°	17.5
175°	17.5
177.5°	18.5
180°	18.5

(END OF REPORT)