

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: P980599

Luminaire Tested: UHBS2-1218-N-L83065-LOW-4000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980599
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-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

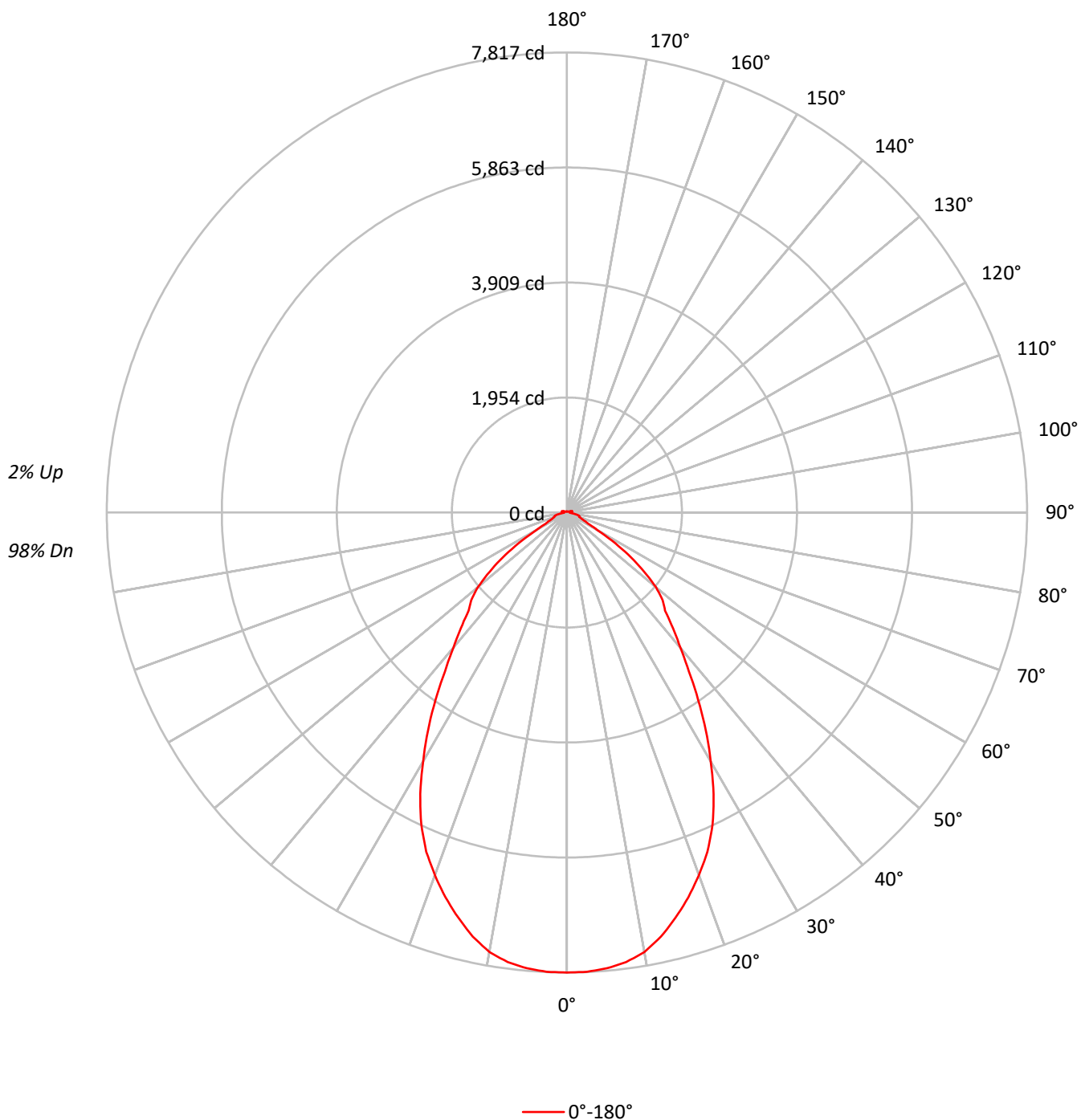
Lumens per Lamp: N/A
Luminaire Lumens: 11760.9 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 78.6
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	50	30	10
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°	78804
5°	76831
10°	74050
15°	69328
20°	63983
25°	57751
30°	49154
35°	40178
40°	32081
45°	26407
50°	23367
55°	16887
60°	8212
65°	4766
70°	3892
75°	3994
80°	2852
85°	1676

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26407 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	736.2	6.3
10°-20°	2000.4	17.0
20°-30°	2663.2	22.6
30°-40°	2430.9	20.7
40°-50°	1870.7	15.9
50°-60°	1165.9	9.9
60°-70°	344.2	2.9
70°-80°	206.4	1.8
80°-90°	75.3	0.6
90°-100°	66.6	0.6
100°-110°	86.9	0.7
110°-120°	43.0	0.4
120°-130°	22.7	0.2
130°-140°	17.2	0.1
140°-150°	13.9	0.1
150°-160°	10.1	0.1
160°-170°	5.6	0.0
170°-180°	1.7	0.0
0°-30°	5399.9	45.9
0°-40°	7830.7	66.6
0°-60°	10867.3	92.4
0°-90°	11493.2	97.7
90°-120°	196.5	1.7
90°-150°	250.4	2.1
90°-180°	268.0	2.3
0°-180°	11760.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7817	
5°	7774	736
15°	7129	2000
25°	5853	2663
35°	3889	2431
45°	2358	1871
55°	1336	1166
65°	317	344
75°	207	206
85°	60	63
90°	44	25
95°	59	54
105°	87	87
115°	41	43
125°	25	23
135°	22	17
145°	22	14
155°	22	10
165°	19	6
175°	17	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7817.4
2.5°	7811.6
5°	7774.1
7.5°	7705.7
10°	7582.5
12.5°	7384.1
15°	7129.0
17.5°	6856.5
20°	6557.0
22.5°	6239.3
25°	5853.2
27.5°	5395.8
30°	4888.4
32.5°	4393.5
35°	3889.0
37.5°	3403.7
40°	2996.4
42.5°	2666.1
45°	2358.0
47.5°	2205.9
50°	1974.8
52.5°	1653.2
55°	1335.5
57.5°	974.4
60°	599.9
62.5°	402.5
65°	316.8
67.5°	260.9
70°	231.1
72.5°	221.5
75°	207.0
77.5°	175.2
80°	125.2
82.5°	83.8
85°	59.7
87.5°	48.1
90°	44.3
92.5°	49.1
95°	58.7
97.5°	72.2
100°	84.7
102.5°	90.5
105°	86.7
107.5°	77.0
110°	63.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.0
115°	41.4
117.5°	33.7
120°	28.9
122.5°	26.0
125°	25.0
127.5°	24.1
130°	23.1
132.5°	22.1
135°	22.1
137.5°	22.1
140°	22.1
142.5°	22.1
145°	22.1
147.5°	22.1
150°	22.1
152.5°	22.1
155°	22.1
157.5°	21.2
160°	21.2
162.5°	20.2
165°	19.3
167.5°	19.3
170°	18.3
172.5°	17.3
175°	17.3
177.5°	18.3
180°	18.3

(END OF REPORT)