

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: P980624

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980624
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-HIGH-5000K-CLR3
Description: UHBS2 LED High Bay at 5000K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

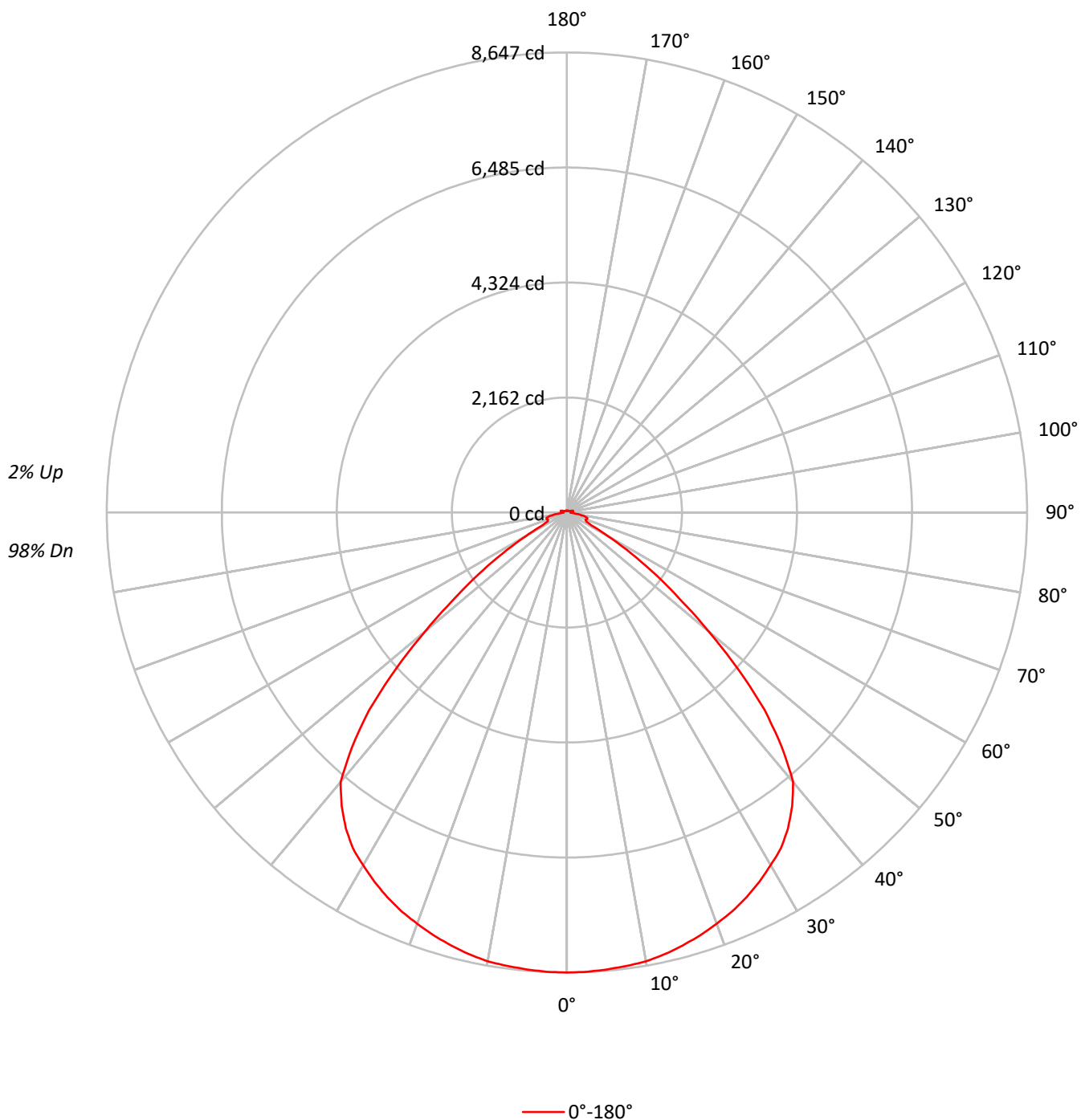
Lumens per Lamp: N/A
Luminaire Lumens: 18617.9 lumens
Efficiency: N/A
Efficacy: 156.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 119.2
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	95		96	94	92		92
2	103	96	91	86	100	94	89	85	90	86	83		87	84	81		84
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76
4	88	78	71	65	86	77	70	65	74	68	64		72	67	63		70
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64
6	76	65	57	51	74	64	56	51	62	55	50		60	54	50		58
7	71	59	51	46	69	58	51	46	57	50	45		55	49	45		54
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50
9	62	50	43	38	61	49	42	37	48	42	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87169
5°	85201
10°	83652
15°	81902
20°	80265
25°	78758
30°	76983
35°	74826
40°	70811
45°	58832
50°	41125
55°	25750
60°	12187
65°	6135
70°	6519
75°	7628
80°	5857
85°	2987

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 58832 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	821.2	4.4
10°-20°	2380.0	12.8
20°-30°	3679.5	19.8
30°-40°	4512.2	24.2
40°-50°	3963.0	21.3
50°-60°	1847.8	9.9
60°-70°	480.0	2.6
70°-80°	387.5	2.1
80°-90°	138.9	0.7
90°-100°	89.9	0.5
100°-110°	123.4	0.7
110°-120°	71.1	0.4
120°-130°	39.0	0.2
130°-140°	29.4	0.2
140°-150°	25.1	0.1
150°-160°	18.2	0.1
160°-170°	9.2	0.0
170°-180°	2.4	0.0
0°-30°	6880.6	37.0
0°-40°	11392.9	61.2
0°-60°	17203.7	92.4
0°-90°	18210.1	97.8
90°-120°	284.4	1.5
90°-150°	377.9	2.0
90°-180°	408.0	2.2
0°-180°	18617.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8647	
5°	8621	821
15°	8422	2380
25°	7982	3679
35°	7243	4512
45°	5253	3963
55°	2036	1848
65°	408	480
75°	395	387
85°	106	120
90°	64	37
95°	79	72
105°	123	123
115°	69	71
125°	43	39
135°	37	29
145°	40	25
155°	40	18
165°	32	9
175°	25	2
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8647.3
2.5°	8640.4
5°	8621.0
7.5°	8596.1
10°	8565.7
12.5°	8503.5
15°	8422.0
17.5°	8332.1
20°	8225.6
22.5°	8115.0
25°	7982.3
27.5°	7826.1
30°	7656.1
32.5°	7484.6
35°	7242.7
37.5°	6951.0
40°	6613.7
42.5°	5973.6
45°	5253.4
47.5°	4370.0
50°	3475.5
52.5°	2684.7
55°	2036.4
57.5°	1432.2
60°	890.3
62.5°	517.0
65°	407.8
67.5°	381.6
70°	387.1
72.5°	402.3
75°	395.4
77.5°	347.0
80°	257.1
82.5°	165.9
85°	106.4
87.5°	77.4
90°	63.6
92.5°	67.7
95°	78.8
97.5°	95.4
100°	112.0
102.5°	123.0
105°	123.0
107.5°	114.7
110°	99.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	82.9
115°	69.1
117.5°	58.1
120°	51.2
122.5°	45.6
125°	42.9
127.5°	40.1
130°	38.7
132.5°	37.3
135°	37.3
137.5°	38.7
140°	38.7
142.5°	40.1
145°	40.1
147.5°	40.1
150°	40.1
152.5°	40.1
155°	40.1
157.5°	38.7
160°	35.9
162.5°	34.6
165°	31.8
167.5°	30.4
170°	27.6
172.5°	24.9
175°	24.9
177.5°	24.9
180°	24.9

(END OF REPORT)