

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: P980558

Luminaire Tested: UHBS2-1218-M-L83065-LOW-3500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980558
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-M-L83065-LOW-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

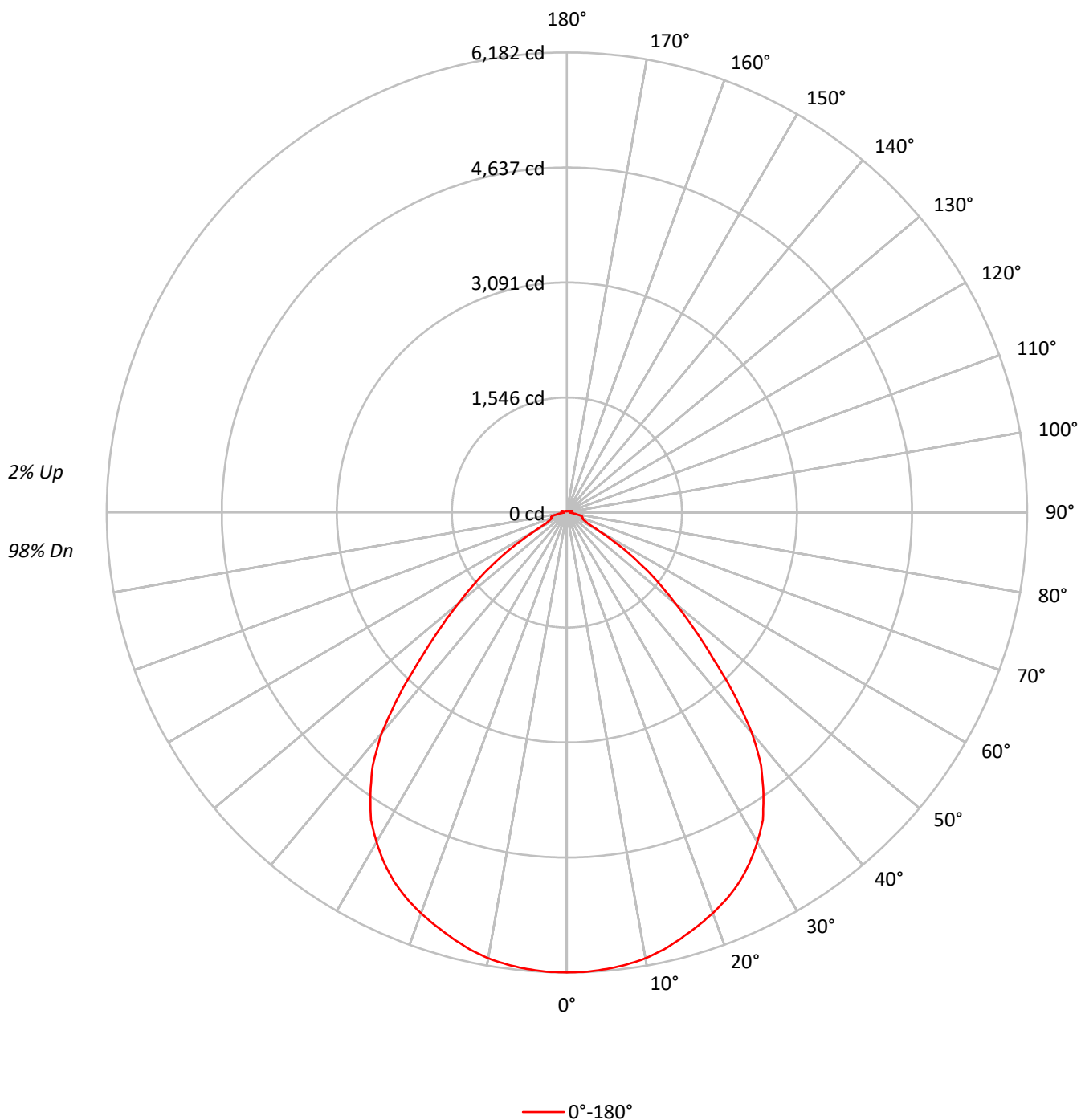
Lumens per Lamp: N/A
Luminaire Lumens: 11693.1 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 79.4
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
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	96		96	94	93		92
2	103	97	92	87	101	95	90	86	91	87	84		88	85	82		85
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77
4	89	80	72	67	87	78	72	66	76	70	65		73	68	64		71
5	83	73	65	59	81	71	64	59	69	63	58		67	62	58		65
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55
8	68	56	49	44	66	55	48	43	54	48	43		53	47	43		51
9	64	52	45	40	62	51	44	40	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		45	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62318
5°	60864
10°	59412
15°	57616
20°	55918
25°	54082
30°	51439
35°	47543
40°	41412
45°	31163
50°	22585
55°	15184
60°	6933
65°	3939
70°	3695
75°	4077
80°	2982
85°	1622

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31163 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.5	5.0
10°-20°	1672.7	14.3
20°-30°	2518.4	21.5
30°-40°	2855.2	24.4
40°-50°	2172.0	18.6
50°-60°	1070.4	9.2
60°-70°	289.7	2.5
70°-80°	208.2	1.8
80°-90°	74.2	0.6
90°-100°	57.0	0.5
100°-110°	77.4	0.7
110°-120°	41.6	0.4
120°-130°	22.4	0.2
130°-140°	17.0	0.1
140°-150°	14.2	0.1
150°-160°	10.3	0.1
160°-170°	5.2	0.0
170°-180°	1.5	0.0
0°-30°	4776.7	40.9
0°-40°	7631.9	65.3
0°-60°	10874.3	93.0
0°-90°	11446.4	97.9
90°-120°	176.0	1.5
90°-150°	229.6	2.0
90°-180°	247.0	2.1
0°-180°	11693.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6182	
5°	6158	586
15°	5925	1673
25°	5481	2518
35°	4602	2855
45°	2783	2172
55°	1201	1070
65°	262	290
75°	211	208
85°	58	63
90°	39	23
95°	50	46
105°	78	77
115°	41	42
125°	24	22
135°	22	17
145°	23	14
155°	23	10
165°	18	5
175°	15	1
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6182.0
2.5°	6177.5
5°	6158.5
7.5°	6128.7
10°	6083.6
12.5°	6015.9
15°	5924.7
17.5°	5829.9
20°	5730.5
22.5°	5617.7
25°	5481.3
27.5°	5313.4
30°	5115.7
32.5°	4898.1
35°	4601.9
37.5°	4285.0
40°	3867.9
42.5°	3341.5
45°	2782.7
47.5°	2315.0
50°	1908.7
52.5°	1551.1
55°	1200.8
57.5°	865.9
60°	506.5
62.5°	317.8
65°	261.8
67.5°	231.1
70°	219.4
72.5°	221.2
75°	211.3
77.5°	180.6
80°	130.9
82.5°	84.9
85°	57.8
87.5°	45.1
90°	38.8
92.5°	42.4
95°	49.7
97.5°	61.4
100°	72.2
102.5°	78.6
105°	77.6
107.5°	70.4
110°	59.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	48.8
115°	40.6
117.5°	33.4
120°	28.9
122.5°	26.2
125°	24.4
127.5°	23.5
130°	22.6
132.5°	21.7
135°	21.7
137.5°	21.7
140°	22.6
142.5°	22.6
145°	22.6
147.5°	22.6
150°	22.6
152.5°	22.6
155°	22.6
157.5°	21.7
160°	20.8
162.5°	19.0
165°	18.1
167.5°	17.2
170°	16.3
172.5°	15.3
175°	15.3
177.5°	15.3
180°	15.3

(END OF REPORT)