

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: P980567

Luminaire Tested: UHBS2-1218-M-L83065-LOW-6500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980567
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-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

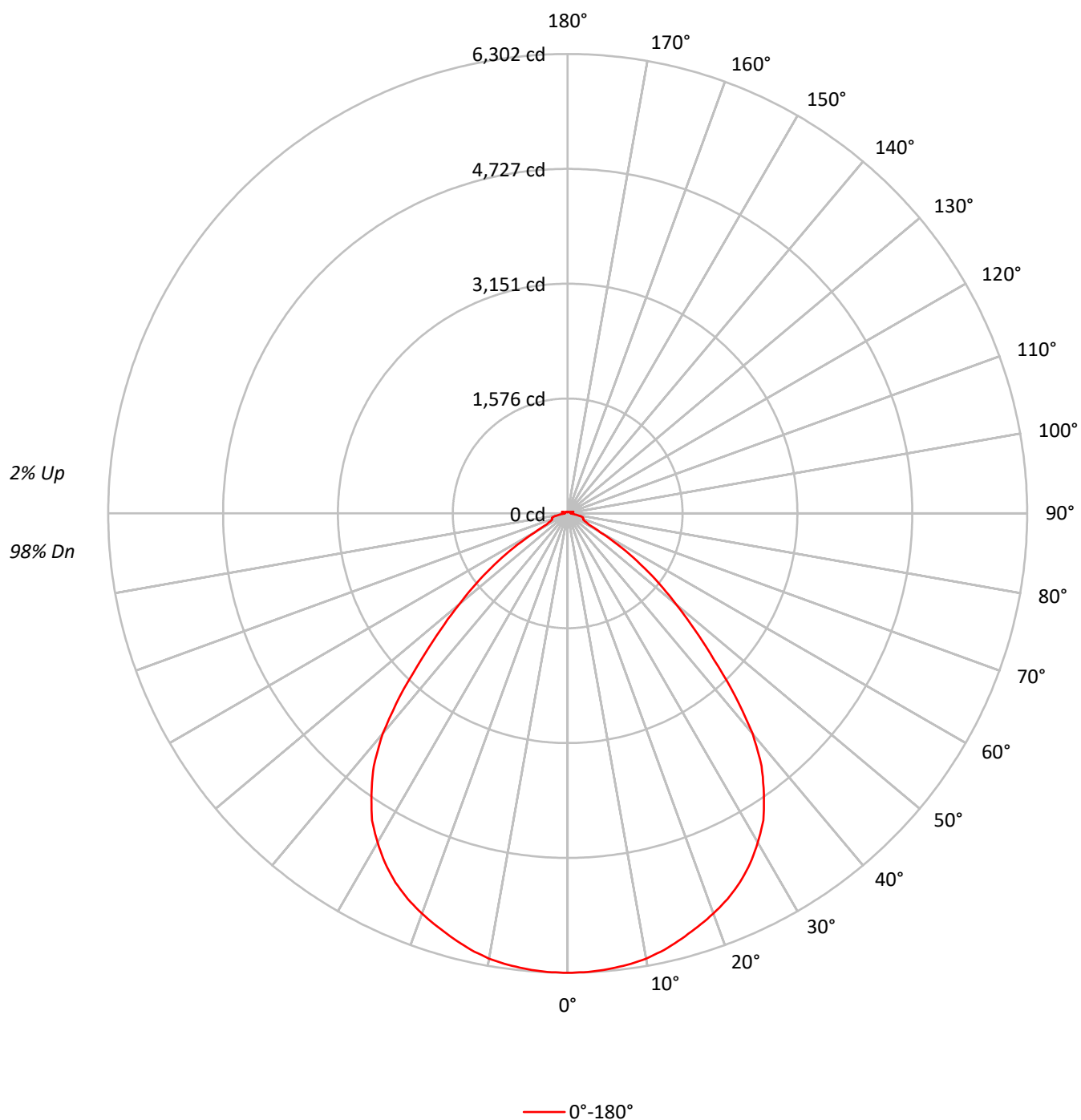
Lumens per Lamp: N/A
Luminaire Lumens: 11921.0 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 80.4
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			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	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	93	92	91	90			88
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80			78
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	74	71			69
4	89	80	72	67	87	78	72	66	76	70	65	73	68	64	71	67	63			61
5	83	73	65	59	81	71	64	59	69	63	58	67	62	58	65	61	57			55
6	78	66	59	53	76	65	58	53	63	57	52	62	56	52	60	55	51			49
7	73	61	53	48	71	60	53	48	58	52	47	57	51	47	55	50	46			45
8	68	56	49	44	66	55	48	43	54	48	43	53	47	43	51	46	42			41
9	64	52	45	40	62	51	44	40	50	44	39	49	43	39	48	43	39			37
10	60	48	41	36	59	48	41	36	47	40	36	45	40	36	45	39	36			34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63533
5°	62051
10°	60570
15°	58740
20°	57009
25°	55137
30°	52442
35°	48471
40°	42220
45°	31770
50°	23025
55°	15480
60°	7069
65°	4015
70°	3767
75°	4156
80°	3041
85°	1653

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31770 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.9	5.0
10°-20°	1705.4	14.3
20°-30°	2567.5	21.5
30°-40°	2910.9	24.4
40°-50°	2214.4	18.6
50°-60°	1091.2	9.2
60°-70°	295.3	2.5
70°-80°	212.2	1.8
80°-90°	75.7	0.6
90°-100°	58.1	0.5
100°-110°	79.0	0.7
110°-120°	42.5	0.4
120°-130°	22.9	0.2
130°-140°	17.3	0.1
140°-150°	14.4	0.1
150°-160°	10.5	0.1
160°-170°	5.3	0.0
170°-180°	1.5	0.0
0°-30°	4869.8	40.9
0°-40°	7780.7	65.3
0°-60°	11086.3	93.0
0°-90°	11669.6	97.9
90°-120°	179.5	1.5
90°-150°	234.1	2.0
90°-180°	251.0	2.1
0°-180°	11921.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6302	
5°	6279	597
15°	6040	1705
25°	5588	2568
35°	4692	2911
45°	2837	2214
55°	1224	1091
65°	267	295
75°	215	212
85°	59	64
90°	40	23
95°	51	47
105°	79	79
115°	41	42
125°	25	23
135°	22	17
145°	23	14
155°	23	10
165°	18	5
175°	16	2
180°	16	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6302.5
2.5°	6297.9
5°	6278.6
7.5°	6248.2
10°	6202.2
12.5°	6133.2
15°	6040.2
17.5°	5943.5
20°	5842.3
22.5°	5727.2
25°	5588.2
27.5°	5417.0
30°	5215.4
32.5°	4993.6
35°	4691.7
37.5°	4368.6
40°	3943.3
42.5°	3406.7
45°	2836.9
47.5°	2360.1
50°	1945.9
52.5°	1581.4
55°	1224.2
57.5°	882.7
60°	516.4
62.5°	324.0
65°	266.9
67.5°	235.6
70°	223.7
72.5°	225.5
75°	215.4
77.5°	184.1
80°	133.5
82.5°	86.5
85°	58.9
87.5°	46.0
90°	39.6
92.5°	43.3
95°	50.6
97.5°	62.6
100°	73.6
102.5°	80.1
105°	79.2
107.5°	71.8
110°	60.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	49.7
115°	41.4
117.5°	34.1
120°	29.5
122.5°	26.7
125°	24.9
127.5°	23.9
130°	23.0
132.5°	22.1
135°	22.1
137.5°	22.1
140°	23.0
142.5°	23.0
145°	23.0
147.5°	23.0
150°	23.0
152.5°	23.0
155°	23.0
157.5°	22.1
160°	21.2
162.5°	19.3
165°	18.4
167.5°	17.5
170°	16.6
172.5°	15.6
175°	15.6
177.5°	15.6
180°	15.6

(END OF REPORT)