

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: P980582

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980582
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-MID-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

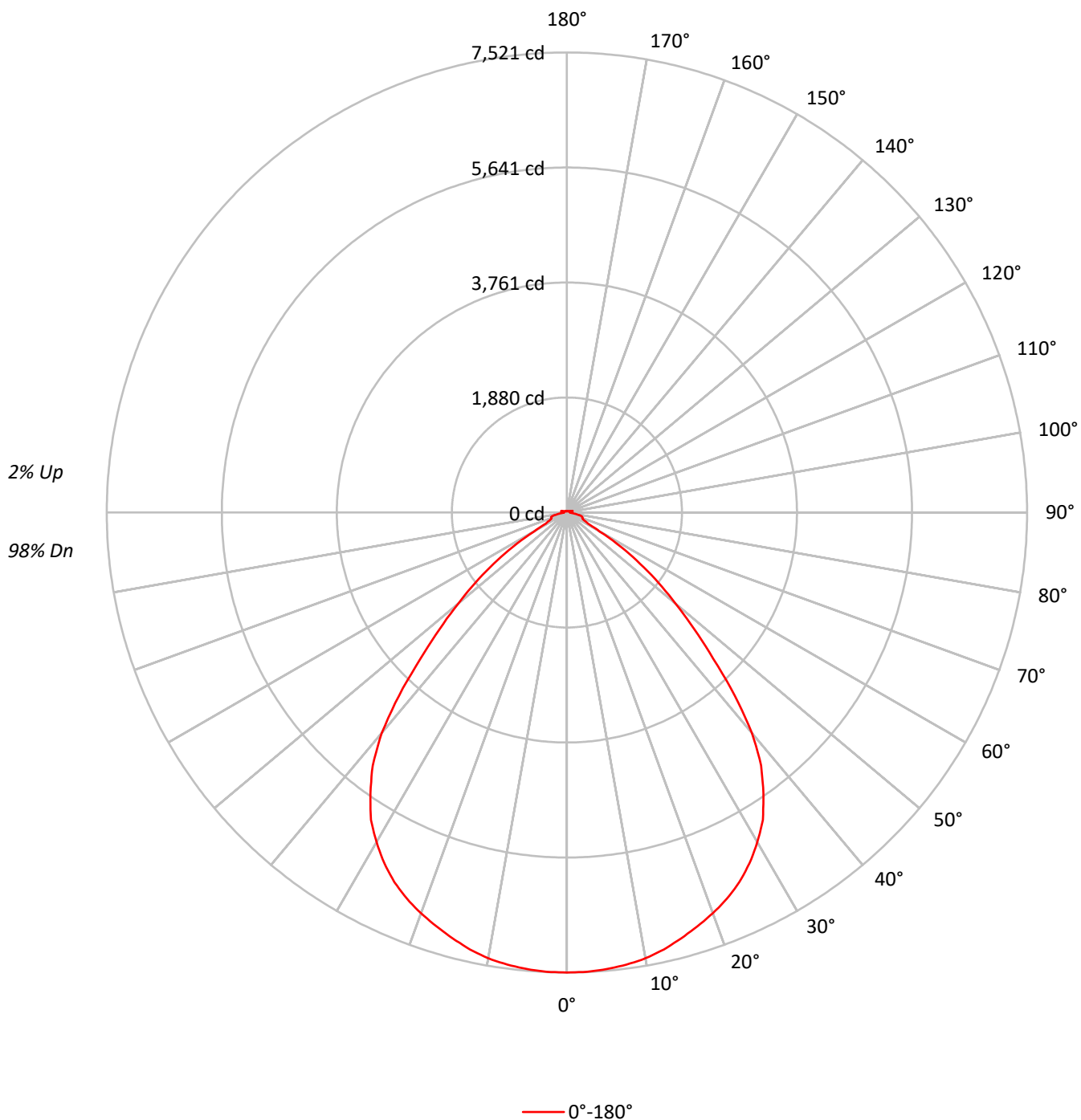
Lumens per Lamp: N/A
Luminaire Lumens: 14226.1 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 98.7
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.15
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°	75818
5°	74049
10°	72282
15°	70097
20°	68031
25°	65798
30°	62582
35°	57842
40°	50383
45°	37914
50°	27477
55°	18474
60°	8435
65°	4793
70°	4495
75°	4958
80°	3629
85°	1973

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37914 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.4	5.0
10°-20°	2035.1	14.3
20°-30°	3064.0	21.5
30°-40°	3473.7	24.4
40°-50°	2642.5	18.6
50°-60°	1302.3	9.2
60°-70°	352.5	2.5
70°-80°	253.2	1.8
80°-90°	90.3	0.6
90°-100°	69.3	0.5
100°-110°	94.2	0.7
110°-120°	50.6	0.4
120°-130°	27.3	0.2
130°-140°	20.7	0.1
140°-150°	17.3	0.1
150°-160°	12.5	0.1
160°-170°	6.3	0.0
170°-180°	1.8	0.0
0°-30°	5811.5	40.9
0°-40°	9285.2	65.3
0°-60°	13230.0	93.0
0°-90°	13926.0	97.9
90°-120°	214.2	1.5
90°-150°	279.4	2.0
90°-180°	300.0	2.1
0°-180°	14226.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7521	
5°	7493	712
15°	7208	2035
25°	6669	3064
35°	5599	3474
45°	3386	2643
55°	1461	1302
65°	319	352
75°	257	253
85°	70	76
90°	47	28
95°	60	56
105°	94	94
115°	49	51
125°	30	27
135°	26	21
145°	28	17
155°	28	13
165°	22	6
175°	19	2
180°	19	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7521.2
2.5°	7515.7
5°	7492.6
7.5°	7456.3
10°	7401.4
12.5°	7319.0
15°	7208.1
17.5°	7092.8
20°	6971.9
22.5°	6834.6
25°	6668.7
27.5°	6464.4
30°	6223.9
32.5°	5959.1
35°	5598.8
37.5°	5213.3
40°	4705.8
42.5°	4065.4
45°	3385.5
47.5°	2816.5
50°	2322.1
52.5°	1887.2
55°	1461.0
57.5°	1053.4
60°	616.2
62.5°	386.7
65°	318.6
67.5°	281.2
70°	266.9
72.5°	269.1
75°	257.0
77.5°	219.7
80°	159.3
82.5°	103.3
85°	70.3
87.5°	54.9
90°	47.2
92.5°	51.6
95°	60.4
97.5°	74.7
100°	87.9
102.5°	95.6
105°	94.5
107.5°	85.7
110°	72.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	59.3
115°	49.4
117.5°	40.6
120°	35.2
122.5°	31.9
125°	29.7
127.5°	28.6
130°	27.5
132.5°	26.4
135°	26.4
137.5°	26.4
140°	27.5
142.5°	27.5
145°	27.5
147.5°	27.5
150°	27.5
152.5°	27.5
155°	27.5
157.5°	26.4
160°	25.3
162.5°	23.1
165°	22.0
167.5°	20.9
170°	19.8
172.5°	18.7
175°	18.7
177.5°	18.7
180°	18.7

(END OF REPORT)