

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: P980603

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980603
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-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

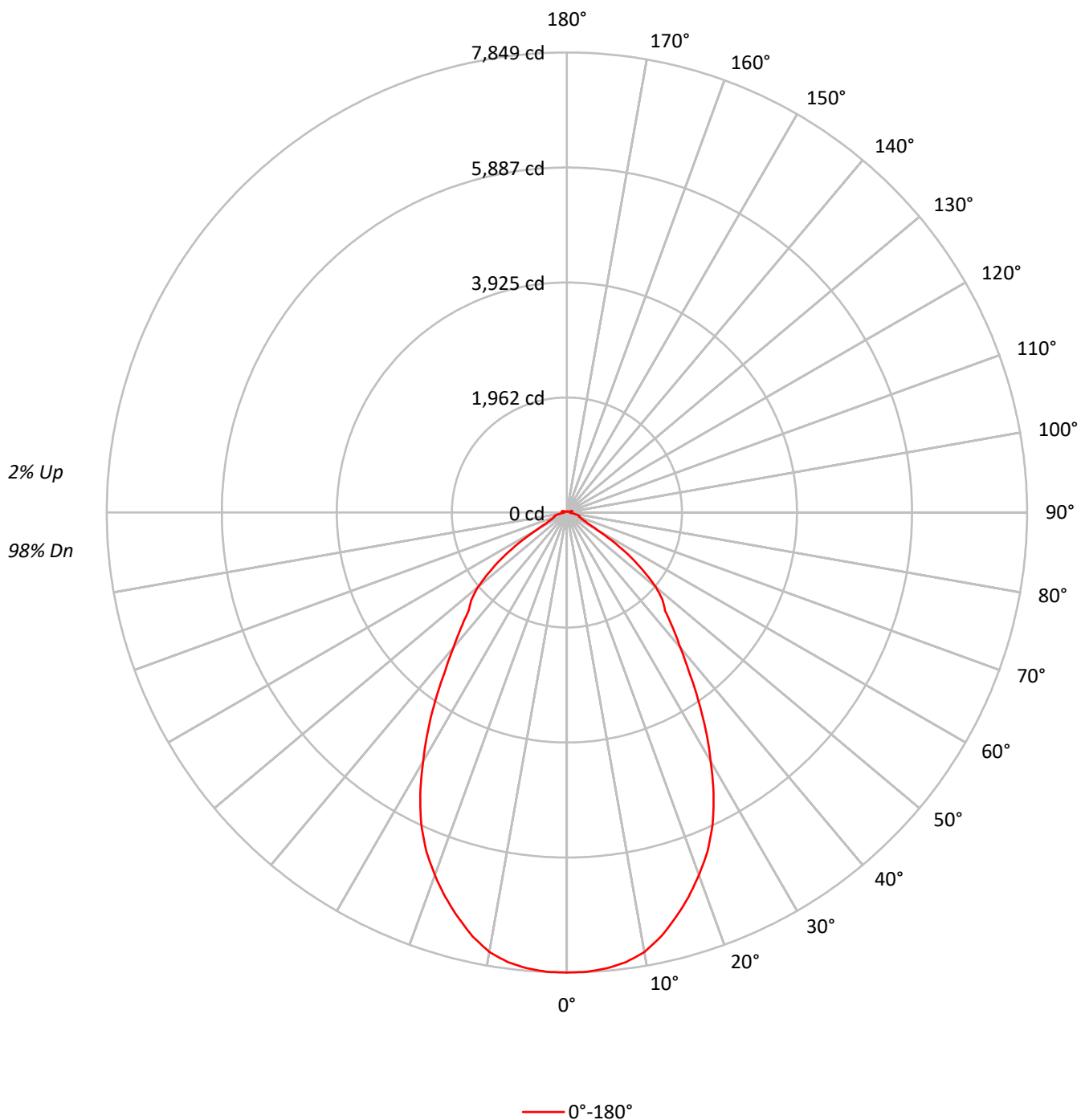
Lumens per Lamp: N/A
Luminaire Lumens: 11809.0 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 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
RW	70	50	30	10	70	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
1	111	107	104	101	108	105	102	100	101	98	96	96	94	93	93	91	90
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80
3	97	88	82	77	94	87	81	76	84	79	74	81	76	73	78	75	72
4	90	80	73	68	88	79	73	67	76	71	66	74	69	65	72	68	64
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58
6	79	68	60	55	77	67	60	55	65	59	54	63	58	53	61	57	53
7	74	62	55	50	72	61	54	50	60	54	49	58	53	49	57	52	48
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	44	41
10	62	50	43	39	60	49	43	38	48	42	38	47	42	38	46	41	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79125
5°	77145
10°	74352
15°	69611
20°	64244
25°	57987
30°	49355
35°	40341
40°	32212
45°	26514
50°	23463
55°	16956
60°	8245
65°	4786
70°	3907
75°	4011
80°	2864
85°	1681

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26514 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.2	6.3
10°-20°	2008.6	17.0
20°-30°	2674.1	22.6
30°-40°	2440.8	20.7
40°-50°	1878.3	15.9
50°-60°	1170.7	9.9
60°-70°	345.6	2.9
70°-80°	207.3	1.8
80°-90°	75.6	0.6
90°-100°	66.9	0.6
100°-110°	87.3	0.7
110°-120°	43.1	0.4
120°-130°	22.8	0.2
130°-140°	17.3	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°	5421.9	45.9
0°-40°	7862.7	66.6
0°-60°	10911.7	92.4
0°-90°	11540.1	97.7
90°-120°	197.4	1.7
90°-150°	251.4	2.1
90°-180°	269.0	2.3
0°-180°	11809.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7849	
5°	7806	739
15°	7158	2009
25°	5877	2674
35°	3905	2441
45°	2368	1878
55°	1341	1171
65°	318	346
75°	208	207
85°	60	63
90°	44	26
95°	59	54
105°	87	87
115°	42	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°	7849.3
2.5°	7843.5
5°	7805.8
7.5°	7737.2
10°	7613.4
12.5°	7414.3
15°	7158.1
17.5°	6884.5
20°	6583.8
22.5°	6264.7
25°	5877.1
27.5°	5417.8
30°	4908.4
32.5°	4411.4
35°	3904.8
37.5°	3417.6
40°	3008.6
42.5°	2677.0
45°	2367.6
47.5°	2214.9
50°	1982.9
52.5°	1660.0
55°	1340.9
57.5°	978.4
60°	602.3
62.5°	404.1
65°	318.1
67.5°	262.0
70°	232.0
72.5°	222.4
75°	207.9
77.5°	176.0
80°	125.7
82.5°	84.1
85°	59.9
87.5°	48.3
90°	44.5
92.5°	49.3
95°	59.0
97.5°	72.5
100°	85.1
102.5°	90.9
105°	87.0
107.5°	77.3
110°	63.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.2
115°	41.6
117.5°	33.8
120°	29.0
122.5°	26.1
125°	25.1
127.5°	24.2
130°	23.2
132.5°	22.2
135°	22.2
137.5°	22.2
140°	22.2
142.5°	22.2
145°	22.2
147.5°	22.2
150°	22.2
152.5°	22.2
155°	22.2
157.5°	21.3
160°	21.3
162.5°	20.3
165°	19.3
167.5°	19.3
170°	18.4
172.5°	17.4
175°	17.4
177.5°	18.4
180°	18.4

(END OF REPORT)