

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: P980639

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980639
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-LOW-5000K-CLR3
Description: UHBS2 LED High Bay at 5000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

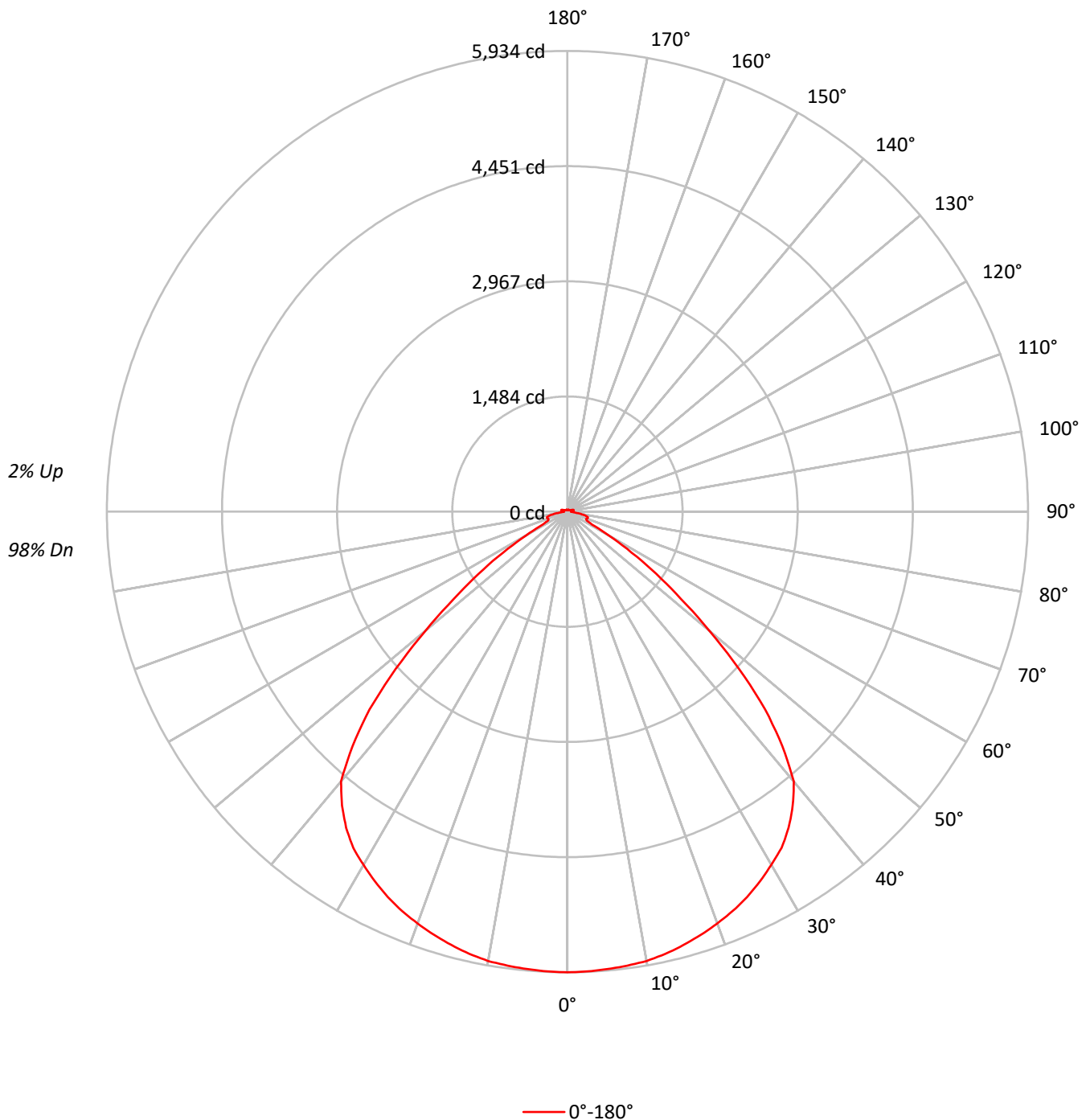
Lumens per Lamp: N/A
Luminaire Lumens: 12774.9 lumens
Efficiency: N/A
Efficacy: 161.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 79
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	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°	59813
5°	58462
10°	57399
15°	56198
20°	55075
25°	54041
30°	52823
35°	51343
40°	48588
45°	40368
50°	28219
55°	17669
60°	8362
65°	4210
70°	4473
75°	5234
80°	4019
85°	2049

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.5	4.4
10°-20°	1633.0	12.8
20°-30°	2524.7	19.8
30°-40°	3096.1	24.2
40°-50°	2719.3	21.3
50°-60°	1267.9	9.9
60°-70°	329.4	2.6
70°-80°	265.9	2.1
80°-90°	95.3	0.7
90°-100°	61.7	0.5
100°-110°	84.7	0.7
110°-120°	48.8	0.4
120°-130°	26.8	0.2
130°-140°	20.2	0.2
140°-150°	17.2	0.1
150°-160°	12.5	0.1
160°-170°	6.3	0.0
170°-180°	1.7	0.0
0°-30°	4721.2	37.0
0°-40°	7817.4	61.2
0°-60°	11804.6	92.4
0°-90°	12495.1	97.8
90°-120°	195.2	1.5
90°-150°	259.3	2.0
90°-180°	280.0	2.2
0°-180°	12774.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5934	
5°	5915	563
15°	5779	1633
25°	5477	2525
35°	4970	3096
45°	3605	2719
55°	1397	1268
65°	280	329
75°	271	266
85°	73	82
90°	44	26
95°	54	49
105°	84	85
115°	47	49
125°	29	27
135°	26	20
145°	28	17
155°	28	12
165°	22	6
175°	17	2
180°	17	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5933.5
2.5°	5928.7
5°	5915.4
7.5°	5898.4
10°	5877.5
12.5°	5834.8
15°	5778.8
17.5°	5717.2
20°	5644.1
22.5°	5568.3
25°	5477.2
27.5°	5370.0
30°	5253.3
32.5°	5135.7
35°	4969.7
37.5°	4769.5
40°	4538.1
42.5°	4098.9
45°	3604.7
47.5°	2998.5
50°	2384.8
52.5°	1842.2
55°	1397.3
57.5°	982.7
60°	610.9
62.5°	354.8
65°	279.8
67.5°	261.8
70°	265.6
72.5°	276.0
75°	271.3
77.5°	238.1
80°	176.4
82.5°	113.8
85°	73.0
87.5°	53.1
90°	43.6
92.5°	46.5
95°	54.1
97.5°	65.5
100°	76.8
102.5°	84.4
105°	84.4
107.5°	78.7
110°	68.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	56.9
115°	47.4
117.5°	39.8
120°	35.1
122.5°	31.3
125°	29.4
127.5°	27.5
130°	26.6
132.5°	25.6
135°	25.6
137.5°	26.6
140°	26.6
142.5°	27.5
145°	27.5
147.5°	27.5
150°	27.5
152.5°	27.5
155°	27.5
157.5°	26.6
160°	24.7
162.5°	23.7
165°	21.8
167.5°	20.9
170°	19.0
172.5°	17.1
175°	17.1
177.5°	17.1
180°	17.1

(END OF REPORT)