

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: P980630

Luminaire Tested: UHBS2-1218-W-L83065-LOW-3000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980630
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-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

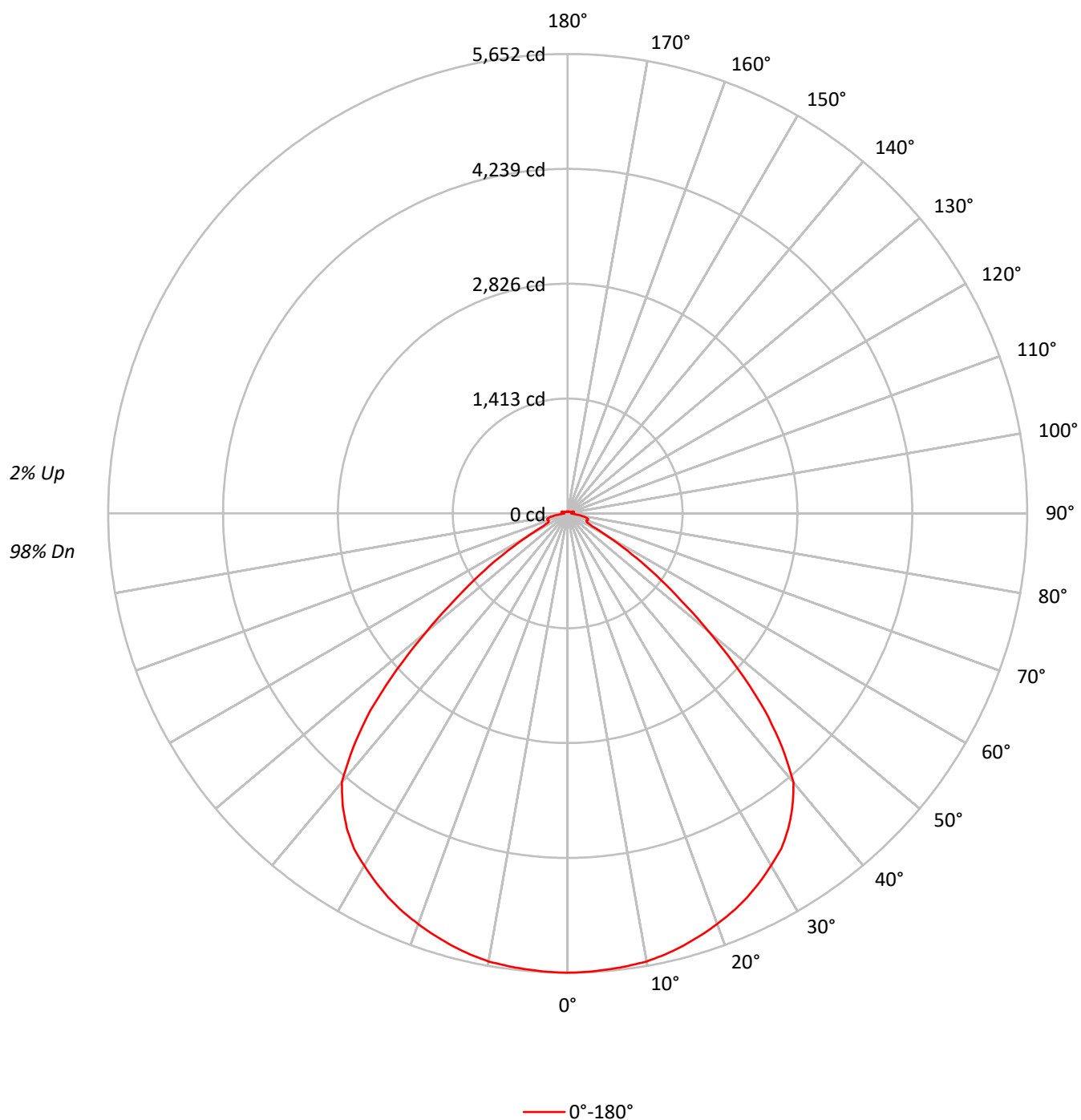
Lumens per Lamp: N/A
Luminaire Lumens: 12168.0 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 80.2
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°	56970
5°	55685
10°	54672
15°	53528
20°	52459
25°	51473
30°	50313
35°	48904
40°	46279
45°	38450
50°	26878
55°	16829
60°	7965
65°	4009
70°	4261
75°	4985
80°	3830
85°	1954

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38450 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.7	4.4
10°-20°	1555.5	12.8
20°-30°	2404.8	19.8
30°-40°	2949.0	24.2
40°-50°	2590.1	21.3
50°-60°	1207.7	9.9
60°-70°	313.7	2.6
70°-80°	253.2	2.1
80°-90°	90.8	0.7
90°-100°	58.7	0.5
100°-110°	80.7	0.7
110°-120°	46.5	0.4
120°-130°	25.5	0.2
130°-140°	19.2	0.2
140°-150°	16.4	0.1
150°-160°	11.9	0.1
160°-170°	6.0	0.0
170°-180°	1.6	0.0
0°-30°	4496.9	37.0
0°-40°	7446.0	61.2
0°-60°	11243.7	92.4
0°-90°	11901.5	97.8
90°-120°	185.9	1.5
90°-150°	247.0	2.0
90°-180°	267.0	2.2
0°-180°	12168.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5652	
5°	5634	537
15°	5504	1555
25°	5217	2405
35°	4734	2949
45°	3433	2590
55°	1331	1208
65°	266	314
75°	258	253
85°	70	78
90°	42	24
95°	52	47
105°	80	81
115°	45	46
125°	28	25
135°	24	19
145°	26	16
155°	26	12
165°	21	6
175°	16	2
180°	16	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5651.5
2.5°	5647.0
5°	5634.4
7.5°	5618.1
10°	5598.2
12.5°	5557.6
15°	5504.3
17.5°	5445.5
20°	5376.0
22.5°	5303.7
25°	5216.9
27.5°	5114.8
30°	5003.7
32.5°	4891.7
35°	4733.6
37.5°	4542.9
40°	4322.5
42.5°	3904.1
45°	3433.4
47.5°	2856.0
50°	2271.5
52.5°	1754.6
55°	1330.9
57.5°	936.0
60°	581.9
62.5°	337.9
65°	266.5
67.5°	249.4
70°	253.0
72.5°	262.9
75°	258.4
77.5°	226.8
80°	168.1
82.5°	108.4
85°	69.6
87.5°	50.6
90°	41.6
92.5°	44.3
95°	51.5
97.5°	62.3
100°	73.2
102.5°	80.4
105°	80.4
107.5°	75.0
110°	65.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	54.2
115°	45.2
117.5°	37.9
120°	33.4
122.5°	29.8
125°	28.0
127.5°	26.2
130°	25.3
132.5°	24.4
135°	24.4
137.5°	25.3
140°	25.3
142.5°	26.2
145°	26.2
147.5°	26.2
150°	26.2
152.5°	26.2
155°	26.2
157.5°	25.3
160°	23.5
162.5°	22.6
165°	20.8
167.5°	19.9
170°	18.1
172.5°	16.3
175°	16.3
177.5°	16.3
180°	16.3

(END OF REPORT)