

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: P980540

Luminaire Tested: UHBS2-1218-M-L83065-HIGH-3000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980540
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-HIGH-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

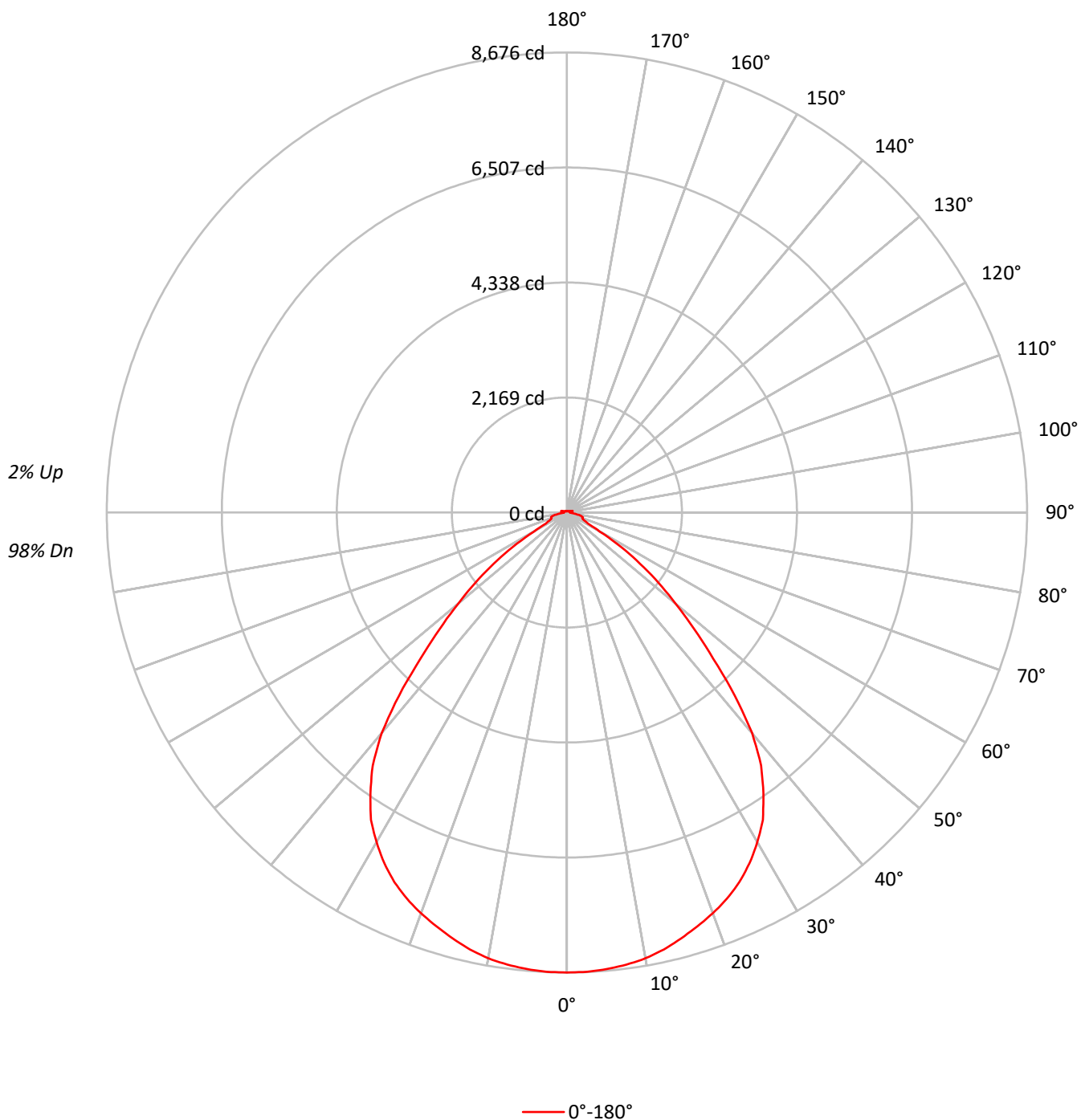
Lumens per Lamp: N/A
Luminaire Lumens: 16410.9 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 122
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 6.9
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P980540

CATALOG NUMBER: UHBS2-1218-M-L83065-HIGH-3000K-CLR3

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	0
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°	87462
5°	85423
10°	83384
15°	80863
20°	78481
25°	75904
30°	72194
35°	66727
40°	58122
45°	43736
50°	31698
55°	21310
60°	9731
65°	5529
70°	5186
75°	5720
80°	4185
85°	2277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43736 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	821.8	5.0
10°-20°	2347.7	14.3
20°-30°	3534.6	21.5
30°-40°	4007.3	24.4
40°-50°	3048.4	18.6
50°-60°	1502.3	9.2
60°-70°	406.6	2.5
70°-80°	292.1	1.8
80°-90°	104.2	0.6
90°-100°	80.0	0.5
100°-110°	108.6	0.7
110°-120°	58.4	0.4
120°-130°	31.4	0.2
130°-140°	23.8	0.1
140°-150°	19.9	0.1
150°-160°	14.4	0.1
160°-170°	7.3	0.0
170°-180°	2.1	0.0
0°-30°	6704.1	40.9
0°-40°	10711.3	65.3
0°-60°	15262.0	93.0
0°-90°	16064.9	97.9
90°-120°	247.1	1.5
90°-150°	322.2	2.0
90°-180°	346.0	2.1
0°-180°	16410.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8676	
5°	8643	822
15°	8315	2348
25°	7693	3535
35°	6459	4007
45°	3905	3048
55°	1685	1502
65°	368	407
75°	296	292
85°	81	88
90°	54	32
95°	70	64
105°	109	109
115°	57	58
125°	34	31
135°	30	24
145°	32	20
155°	32	14
165°	25	7
175°	22	2
180°	22	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8676.3
2.5°	8670.0
5°	8643.4
7.5°	8601.6
10°	8538.2
12.5°	8443.2
15°	8315.2
17.5°	8182.1
20°	8042.8
22.5°	7884.4
25°	7693.0
27.5°	7457.3
30°	7179.8
32.5°	6874.4
35°	6458.8
37.5°	6014.0
40°	5428.6
42.5°	4689.8
45°	3905.4
47.5°	3249.0
50°	2678.8
52.5°	2177.0
55°	1685.3
57.5°	1215.2
60°	710.9
62.5°	446.0
65°	367.5
67.5°	324.4
70°	307.9
72.5°	310.5
75°	296.5
77.5°	253.4
80°	183.7
82.5°	119.1
85°	81.1
87.5°	63.4
90°	54.5
92.5°	59.6
95°	69.7
97.5°	86.2
100°	101.4
102.5°	110.2
105°	109.0
107.5°	98.8
110°	83.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	68.4
115°	57.0
117.5°	46.9
120°	40.5
122.5°	36.7
125°	34.2
127.5°	32.9
130°	31.7
132.5°	30.4
135°	30.4
137.5°	30.4
140°	31.7
142.5°	31.7
145°	31.7
147.5°	31.7
150°	31.7
152.5°	31.7
155°	31.7
157.5°	30.4
160°	29.1
162.5°	26.6
165°	25.3
167.5°	24.1
170°	22.8
172.5°	21.5
175°	21.5
177.5°	21.5
180°	21.5

(END OF REPORT)