

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: P980541

Luminaire Tested: UHBS2-1218-M-L83065-HIGH-3000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-M-L83065-HIGH-3000K-FRR3
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

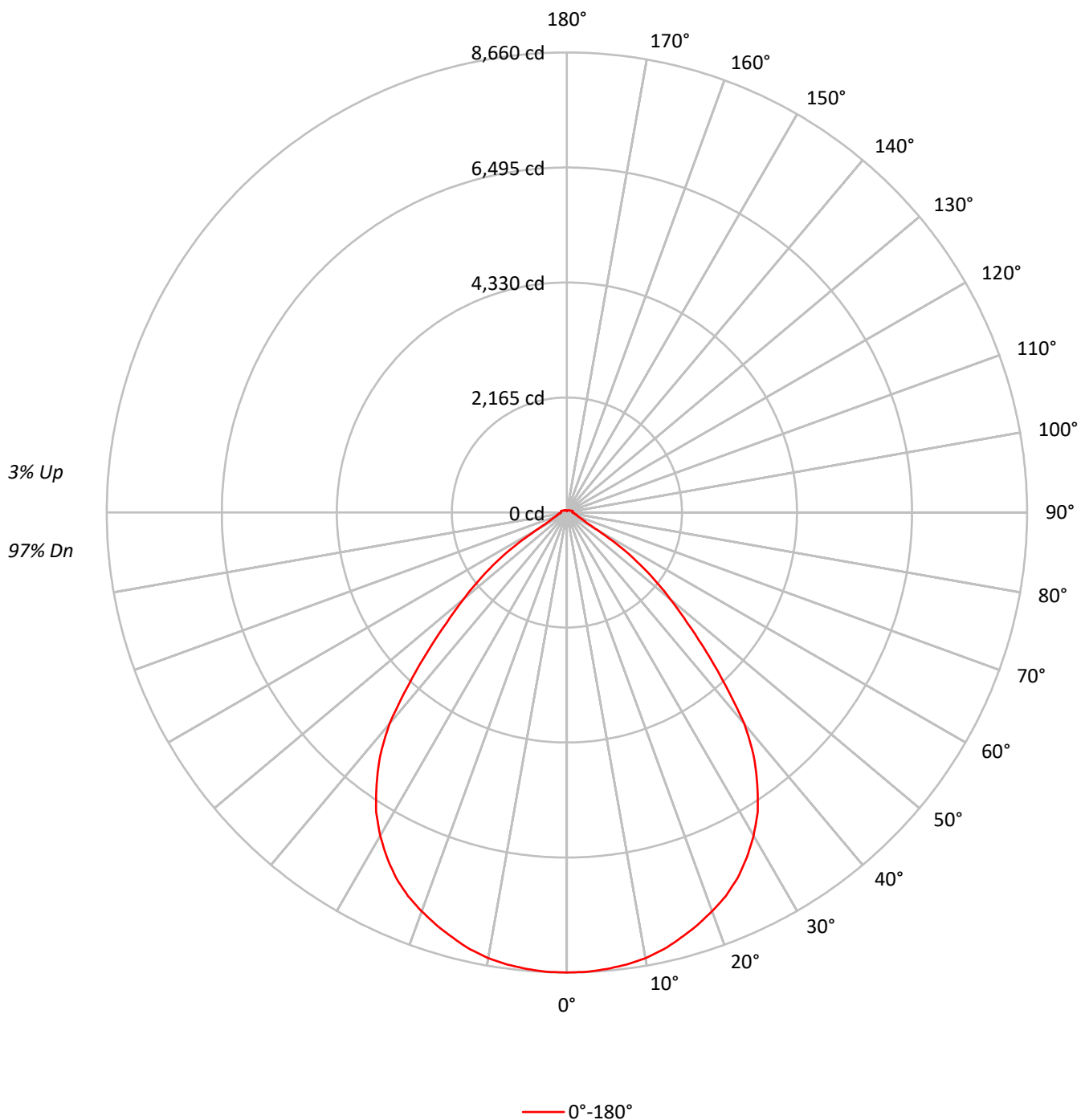
Lumens per Lamp: N/A
Luminaire Lumens: 16027.9 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

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

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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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89
2	103	97	92	87	101	95	90	86	91	87	84	87	84	81	84	82	79
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	74	71
4	89	80	73	67	87	78	72	67	76	70	65	73	68	64	71	67	63
5	83	73	65	60	81	72	65	59	69	63	59	67	62	58	65	61	57
6	78	67	59	54	76	66	58	53	64	57	53	62	56	52	60	55	51
7	73	61	54	48	71	60	53	48	59	52	48	57	51	47	55	50	47
8	68	56	49	44	67	56	49	44	54	48	43	53	47	43	51	46	42
9	64	52	45	40	63	51	45	40	50	44	40	49	43	39	48	43	39
10	60	48	41	37	59	48	41	37	47	41	36	46	40	36	45	39	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87298
5°	85242
10°	83183
15°	80596
20°	77956
25°	74952
30°	70629
35°	64536
40°	55640
45°	41458
50°	30081
55°	20308
60°	9033
65°	5115
70°	3936
75°	3617
80°	3588
85°	3649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41458 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.0	5.1
10°-20°	2338.7	14.6
20°-30°	3486.7	21.8
30°-40°	3874.8	24.2
40°-50°	2887.4	18.0
50°-60°	1423.1	8.9
60°-70°	366.6	2.3
70°-80°	201.5	1.3
80°-90°	142.6	0.9
90°-100°	121.2	0.8
100°-110°	114.3	0.7
110°-120°	82.3	0.5
120°-130°	58.5	0.4
130°-140°	44.0	0.3
140°-150°	32.0	0.2
150°-160°	20.7	0.1
160°-170°	10.6	0.1
170°-180°	2.9	0.0
0°-30°	6645.5	41.5
0°-40°	10520.3	65.6
0°-60°	14830.8	92.5
0°-90°	15541.5	97.0
90°-120°	317.7	2.0
90°-150°	452.2	2.8
90°-180°	486.0	3.0
0°-180°	16027.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8660	
5°	8625	820
15°	8288	2339
25°	7596	3487
35°	6247	3875
45°	3702	2887
55°	1606	1423
65°	340	367
75°	188	202
85°	130	112
90°	106	60
95°	111	92
105°	109	114
115°	82	82
125°	65	59
135°	56	44
145°	51	32
155°	45	21
165°	38	11
175°	29	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8660.1
2.5°	8653.9
5°	8625.1
7.5°	8582.6
10°	8517.7
12.5°	8422.7
15°	8287.7
17.5°	8147.7
20°	7989.0
22.5°	7812.7
25°	7596.5
27.5°	7329.1
30°	7024.1
32.5°	6682.9
35°	6246.7
37.5°	5774.3
40°	5196.8
42.5°	4419.4
45°	3702.0
47.5°	3068.4
50°	2542.2
52.5°	2071.0
55°	1606.0
57.5°	1138.6
60°	659.9
62.5°	419.9
65°	340.0
67.5°	280.0
70°	233.7
72.5°	208.7
75°	187.5
77.5°	171.2
80°	157.5
82.5°	143.7
85°	130.0
87.5°	117.5
90°	106.2
92.5°	108.7
95°	111.2
97.5°	113.7
100°	115.0
102.5°	113.7
105°	108.7
107.5°	103.7
110°	96.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	88.7
115°	82.5
117.5°	76.2
120°	71.2
122.5°	67.5
125°	65.0
127.5°	62.5
130°	60.0
132.5°	58.7
135°	56.2
137.5°	55.0
140°	53.7
142.5°	52.5
145°	51.2
147.5°	48.7
150°	47.5
152.5°	46.2
155°	45.0
157.5°	42.5
160°	41.2
162.5°	38.7
165°	37.5
167.5°	35.0
170°	32.5
172.5°	30.0
175°	28.7
177.5°	30.0
180°	28.7

(END OF REPORT)