

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: P980577

Luminaire Tested: UHBS2-1218-M-L83065-MID-4000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980577
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-MID-4000K-FRR3
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

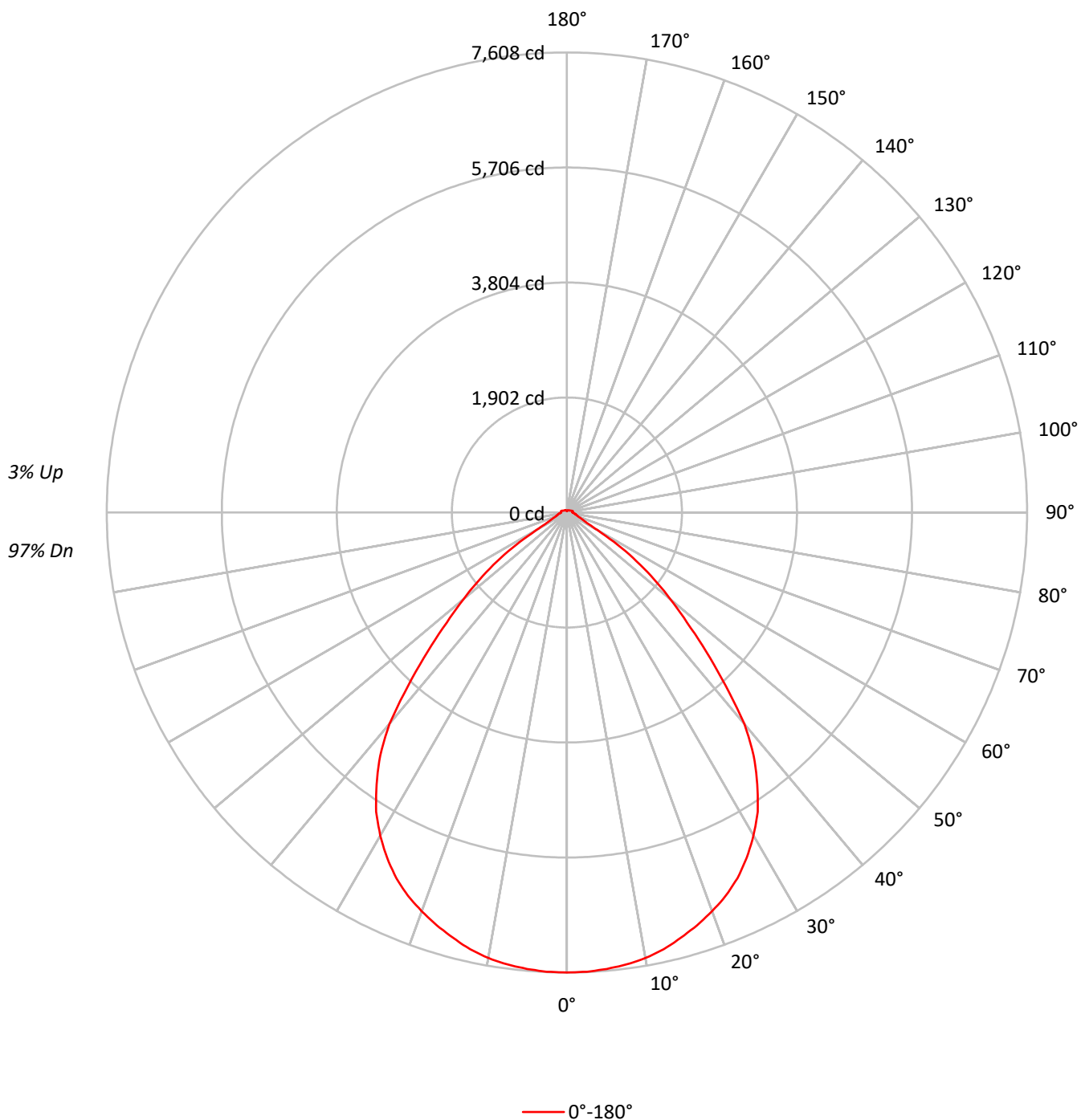
Lumens per Lamp: N/A
Luminaire Lumens: 14079.9 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 96.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.15
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°	76689
5°	74882
10°	73073
15°	70800
20°	68481
25°	65843
30°	62044
35°	56693
40°	48878
45°	36420
50°	26425
55°	17839
60°	7935
65°	4492
70°	3458
75°	3177
80°	3151
85°	3206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36420 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	720.3	5.1
10°-20°	2054.5	14.6
20°-30°	3063.0	21.8
30°-40°	3403.9	24.2
40°-50°	2536.4	18.0
50°-60°	1250.2	8.9
60°-70°	322.0	2.3
70°-80°	177.0	1.3
80°-90°	125.3	0.9
90°-100°	106.4	0.8
100°-110°	100.4	0.7
110°-120°	72.4	0.5
120°-130°	51.4	0.4
130°-140°	38.6	0.3
140°-150°	28.1	0.2
150°-160°	18.2	0.1
160°-170°	9.3	0.1
170°-180°	2.5	0.0
0°-30°	5837.8	41.5
0°-40°	9241.7	65.6
0°-60°	13028.3	92.5
0°-90°	13652.6	97.0
90°-120°	279.2	2.0
90°-150°	397.3	2.8
90°-180°	427.0	3.0
0°-180°	14079.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7608	
5°	7577	720
15°	7280	2054
25°	6673	3063
35°	5488	3404
45°	3252	2536
55°	1411	1250
65°	299	322
75°	165	177
85°	114	98
90°	93	53
95°	98	81
105°	96	100
115°	72	72
125°	57	51
135°	49	39
145°	45	28
155°	40	18
165°	33	9
175°	25	3
180°	25	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7607.6
2.5°	7602.1
5°	7576.9
7.5°	7539.5
10°	7482.4
12.5°	7399.0
15°	7280.4
17.5°	7157.5
20°	7018.0
22.5°	6863.2
25°	6673.3
27.5°	6438.3
30°	6170.4
32.5°	5870.7
35°	5487.5
37.5°	5072.5
40°	4565.2
42.5°	3882.3
45°	3252.1
47.5°	2695.4
50°	2233.2
52.5°	1819.3
55°	1410.8
57.5°	1000.2
60°	579.7
62.5°	368.9
65°	298.6
67.5°	245.9
70°	205.3
72.5°	183.4
75°	164.7
77.5°	150.4
80°	138.3
82.5°	126.3
85°	114.2
87.5°	103.2
90°	93.3
92.5°	95.5
95°	97.7
97.5°	99.9
100°	101.0
102.5°	99.9
105°	95.5
107.5°	91.1
110°	84.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	78.0
115°	72.5
117.5°	67.0
120°	62.6
122.5°	59.3
125°	57.1
127.5°	54.9
130°	52.7
132.5°	51.6
135°	49.4
137.5°	48.3
140°	47.2
142.5°	46.1
145°	45.0
147.5°	42.8
150°	41.7
152.5°	40.6
155°	39.5
157.5°	37.3
160°	36.2
162.5°	34.0
165°	32.9
167.5°	30.7
170°	28.5
172.5°	26.4
175°	25.3
177.5°	26.4
180°	25.3

(END OF REPORT)