

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: P980562

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980562
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-LOW-4000K-FRR3
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

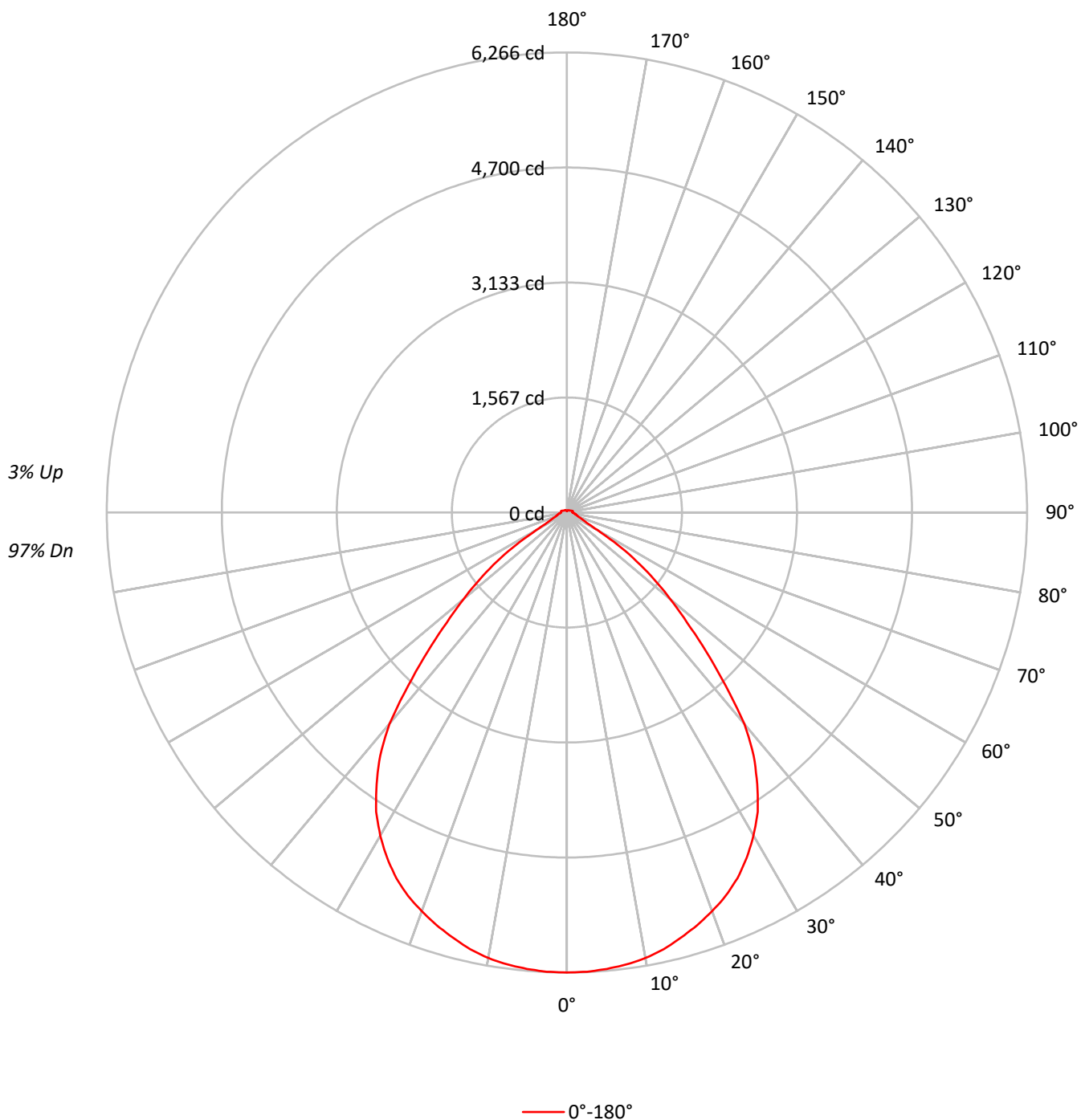
Lumens per Lamp: N/A
Luminaire Lumens: 11596.0 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 78.6
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	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99
1	111	107	104	101	108	105	102	99	100	98	96		96	94	92		92
2	103	97	92	87	101	95	90	86	91	87	84		87	84	81		84
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77
4	89	80	73	67	87	78	72	67	76	70	65		73	68	64		71
5	83	73	65	60	81	72	65	59	69	63	59		67	62	58		65
6	78	67	59	54	76	66	58	53	64	57	53		62	56	52		60
7	73	61	54	48	71	60	53	48	59	52	48		57	51	47		55
8	68	56	49	44	67	56	49	44	54	48	43		53	47	43		51
9	64	52	45	40	63	51	45	40	50	44	40		49	43	39		48
10	60	48	41	37	59	48	41	37	47	41	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63160
5°	61672
10°	60182
15°	58310
20°	56400
25°	54227
30°	51098
35°	46691
40°	40255
45°	29995
50°	21763
55°	14692
60°	6535
65°	3701
70°	2848
75°	2616
80°	2595
85°	2639

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29995 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.3	5.1
10°-20°	1692.0	14.6
20°-30°	2522.6	21.8
30°-40°	2803.4	24.2
40°-50°	2089.0	18.0
50°-60°	1029.6	8.9
60°-70°	265.2	2.3
70°-80°	145.8	1.3
80°-90°	103.2	0.9
90°-100°	87.7	0.8
100°-110°	82.7	0.7
110°-120°	59.6	0.5
120°-130°	42.3	0.4
130°-140°	31.8	0.3
140°-150°	23.2	0.2
150°-160°	15.0	0.1
160°-170°	7.7	0.1
170°-180°	2.1	0.0
0°-30°	4807.9	41.5
0°-40°	7611.3	65.6
0°-60°	10729.8	92.5
0°-90°	11244.0	97.0
90°-120°	230.0	2.0
90°-150°	327.3	2.8
90°-180°	352.0	3.0
0°-180°	11596.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6266	
5°	6240	593
15°	5996	1692
25°	5496	2523
35°	4519	2803
45°	2678	2089
55°	1162	1030
65°	246	265
75°	136	146
85°	94	81
90°	77	44
95°	80	66
105°	79	83
115°	60	60
125°	47	42
135°	41	32
145°	37	23
155°	33	15
165°	27	8
175°	21	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6265.5
2.5°	6260.9
5°	6240.2
7.5°	6209.4
10°	6162.4
12.5°	6093.7
15°	5996.0
17.5°	5894.7
20°	5779.9
22.5°	5652.4
25°	5496.0
27.5°	5302.5
30°	5081.8
32.5°	4835.0
35°	4519.4
37.5°	4177.6
40°	3759.8
42.5°	3197.4
45°	2678.4
47.5°	2219.9
50°	1839.2
52.5°	1498.3
55°	1161.9
57.5°	823.8
60°	477.4
62.5°	303.8
65°	246.0
67.5°	202.5
70°	169.1
72.5°	151.0
75°	135.6
77.5°	123.9
80°	113.9
82.5°	104.0
85°	94.0
87.5°	85.0
90°	76.9
92.5°	78.7
95°	80.5
97.5°	82.3
100°	83.2
102.5°	82.3
105°	78.7
107.5°	75.1
110°	69.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	64.2
115°	59.7
117.5°	55.2
120°	51.5
122.5°	48.8
125°	47.0
127.5°	45.2
130°	43.4
132.5°	42.5
135°	40.7
137.5°	39.8
140°	38.9
142.5°	38.0
145°	37.1
147.5°	35.3
150°	34.4
152.5°	33.5
155°	32.6
157.5°	30.7
160°	29.8
162.5°	28.0
165°	27.1
167.5°	25.3
170°	23.5
172.5°	21.7
175°	20.8
177.5°	21.7
180°	20.8

(END OF REPORT)