

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: P980631

Luminaire Tested: UHBS2-1218-W-L83065-LOW-3000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-W-L83065-LOW-3000K-FRR3
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

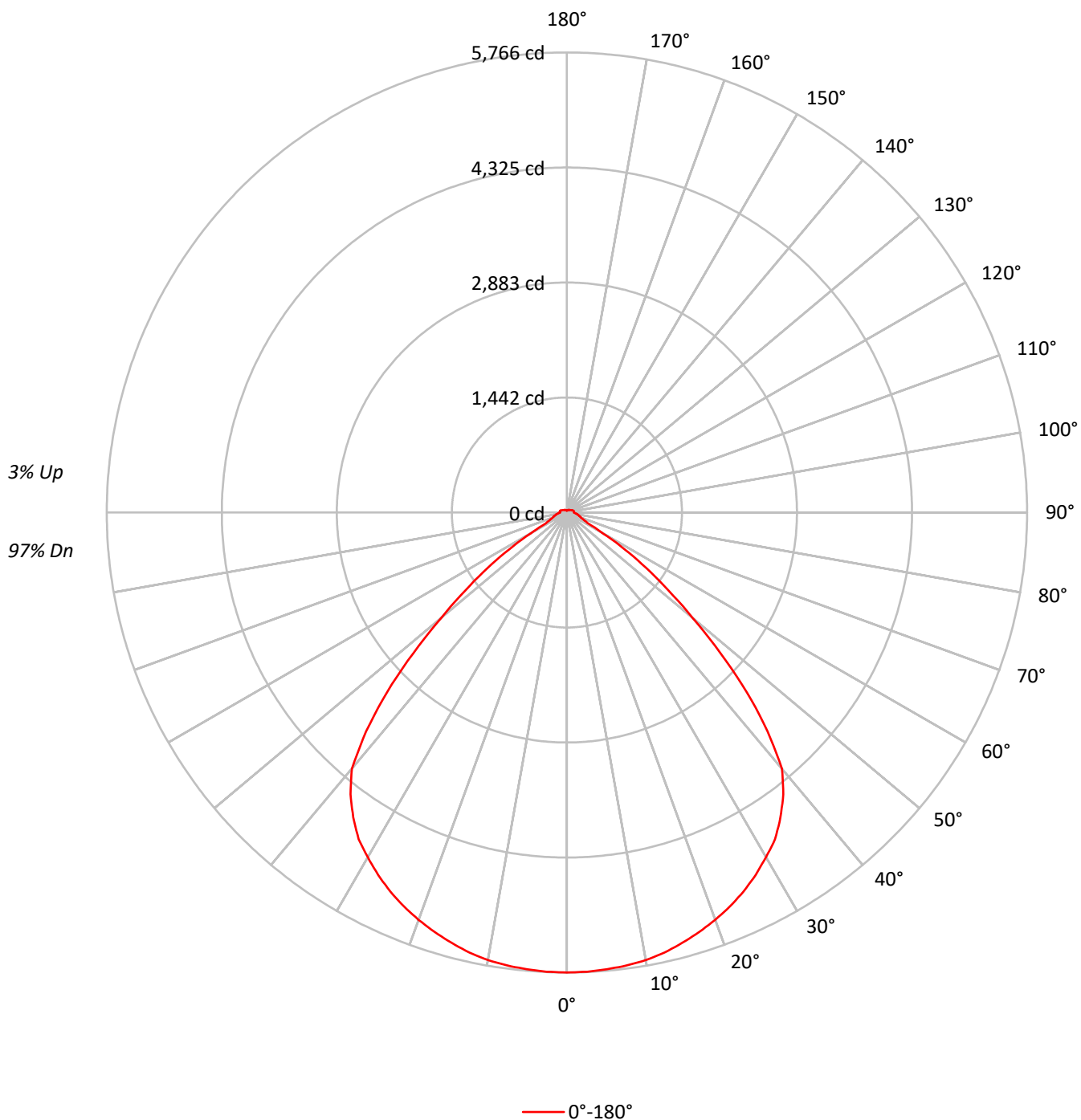
Lumens per Lamp: N/A
Luminaire Lumens: 11926.0 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

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	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	104	101	99	100	97	95	95	93	92	91	90	88
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41
9	63	51	43	38	61	50	43	38	49	42	38	47	42	38	46	41	37
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58123
5°	56788
10°	55638
15°	54313
20°	53016
25°	51706
30°	50167
35°	48200
40°	44879
45°	35733
50°	24319
55°	15332
60°	7178
65°	3782
70°	3213
75°	3087
80°	3048
85°	3046

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35733 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.0	4.6
10°-20°	1577.4	13.2
20°-30°	2414.2	20.2
30°-40°	2905.8	24.4
40°-50°	2425.5	20.3
50°-60°	1099.0	9.2
60°-70°	279.1	2.3
70°-80°	169.9	1.4
80°-90°	118.6	1.0
90°-100°	95.7	0.8
100°-110°	90.2	0.8
110°-120°	67.1	0.6
120°-130°	47.8	0.4
130°-140°	35.9	0.3
140°-150°	25.8	0.2
150°-160°	16.5	0.1
160°-170°	8.3	0.1
170°-180°	2.2	0.0
0°-30°	4538.6	38.1
0°-40°	7444.4	62.4
0°-60°	10968.9	92.0
0°-90°	11536.4	96.7
90°-120°	253.0	2.1
90°-150°	362.5	3.0
90°-180°	390.0	3.3
0°-180°	11926.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5766	
5°	5746	547
15°	5585	1577
25°	5240	2414
35°	4666	2906
45°	3191	2425
55°	1212	1099
65°	251	279
75°	160	170
85°	108	94
90°	85	48
95°	88	72
105°	86	90
115°	67	67
125°	53	48
135°	46	36
145°	41	26
155°	35	17
165°	29	8
175°	23	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5765.9
2.5°	5761.3
5°	5746.0
7.5°	5727.0
10°	5697.1
12.5°	5650.1
15°	5585.0
17.5°	5513.6
20°	5433.1
22.5°	5342.7
25°	5240.5
27.5°	5120.3
30°	4989.2
32.5°	4854.5
35°	4665.5
37.5°	4453.9
40°	4191.7
42.5°	3722.4
45°	3190.8
47.5°	2609.4
50°	2055.2
52.5°	1601.3
55°	1212.5
57.5°	854.4
60°	524.4
62.5°	305.6
65°	251.4
67.5°	217.0
70°	190.8
72.5°	174.5
75°	160.0
77.5°	146.5
80°	133.8
82.5°	121.2
85°	108.5
87.5°	95.8
90°	85.0
92.5°	85.9
95°	87.7
97.5°	89.5
100°	90.4
102.5°	88.6
105°	85.9
107.5°	82.3
110°	77.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.3
115°	66.9
117.5°	62.4
120°	58.8
122.5°	55.2
125°	53.3
127.5°	50.6
130°	48.8
132.5°	47.9
135°	46.1
137.5°	45.2
140°	43.4
142.5°	42.5
145°	40.7
147.5°	39.8
150°	38.0
152.5°	37.1
155°	35.3
157.5°	34.4
160°	32.5
162.5°	30.7
165°	28.9
167.5°	27.1
170°	25.3
172.5°	22.6
175°	22.6
177.5°	22.6
180°	21.7

(END OF REPORT)