

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: P980568

Luminaire Tested: UHBS2-1218-M-L83065-LOW-6500K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980568
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-6500K-FRR3
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

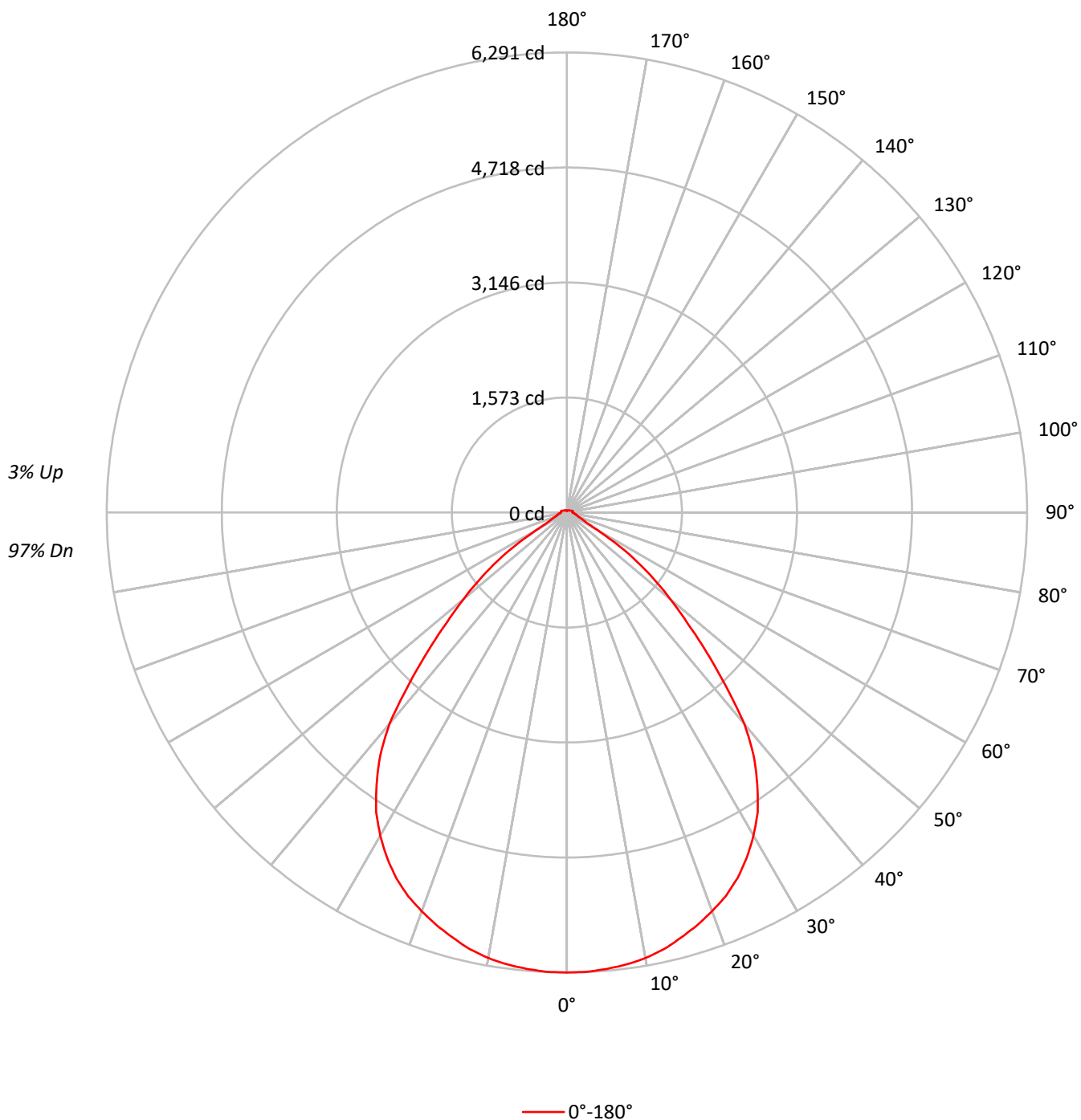
Lumens per Lamp: N/A
Luminaire Lumens: 11643.0 lumens
Efficiency: N/A
Efficacy: 144.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 80.4
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°	63416
5°	61921
10°	60426
15°	58546
20°	56628
25°	54446
30°	51305
35°	46880
40°	40419
45°	30116
50°	21852
55°	14753
60°	6562
65°	3715
70°	2860
75°	2628
80°	2606
85°	2650

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30116 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	595.7	5.1
10°-20°	1698.9	14.6
20°-30°	2532.8	21.8
30°-40°	2814.7	24.2
40°-50°	2097.4	18.0
50°-60°	1033.8	8.9
60°-70°	266.3	2.3
70°-80°	146.4	1.3
80°-90°	103.6	0.9
90°-100°	88.0	0.8
100°-110°	83.0	0.7
110°-120°	59.8	0.5
120°-130°	42.5	0.4
130°-140°	32.0	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°	4827.4	41.5
0°-40°	7642.1	65.6
0°-60°	10773.3	92.5
0°-90°	11289.6	97.0
90°-120°	230.9	2.0
90°-150°	328.6	2.8
90°-180°	353.0	3.0
0°-180°	11643.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6291	
5°	6265	596
15°	6020	1699
25°	5518	2533
35°	4538	2815
45°	2689	2097
55°	1167	1034
65°	247	266
75°	136	146
85°	94	81
90°	77	44
95°	81	67
105°	79	83
115°	60	60
125°	47	43
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°	6290.9
2.5°	6286.3
5°	6265.4
7.5°	6234.6
10°	6187.4
12.5°	6118.4
15°	6020.3
17.5°	5918.6
20°	5803.3
22.5°	5675.3
25°	5518.2
27.5°	5323.9
30°	5102.4
32.5°	4854.6
35°	4537.7
37.5°	4194.5
40°	3775.1
42.5°	3210.3
45°	2689.2
47.5°	2228.9
50°	1846.7
52.5°	1504.4
55°	1166.7
57.5°	827.1
60°	479.4
62.5°	305.1
65°	246.9
67.5°	203.4
70°	169.8
72.5°	151.6
75°	136.2
77.5°	124.4
80°	114.4
82.5°	104.4
85°	94.4
87.5°	85.3
90°	77.2
92.5°	79.0
95°	80.8
97.5°	82.6
100°	83.5
102.5°	82.6
105°	79.0
107.5°	75.4
110°	69.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	64.5
115°	59.9
117.5°	55.4
120°	51.8
122.5°	49.0
125°	47.2
127.5°	45.4
130°	43.6
132.5°	42.7
135°	40.9
137.5°	39.9
140°	39.0
142.5°	38.1
145°	37.2
147.5°	35.4
150°	34.5
152.5°	33.6
155°	32.7
157.5°	30.9
160°	30.0
162.5°	28.1
165°	27.2
167.5°	25.4
170°	23.6
172.5°	21.8
175°	20.9
177.5°	21.8
180°	20.9

(END OF REPORT)