

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: P980556

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980556
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-3000K-FRR3
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

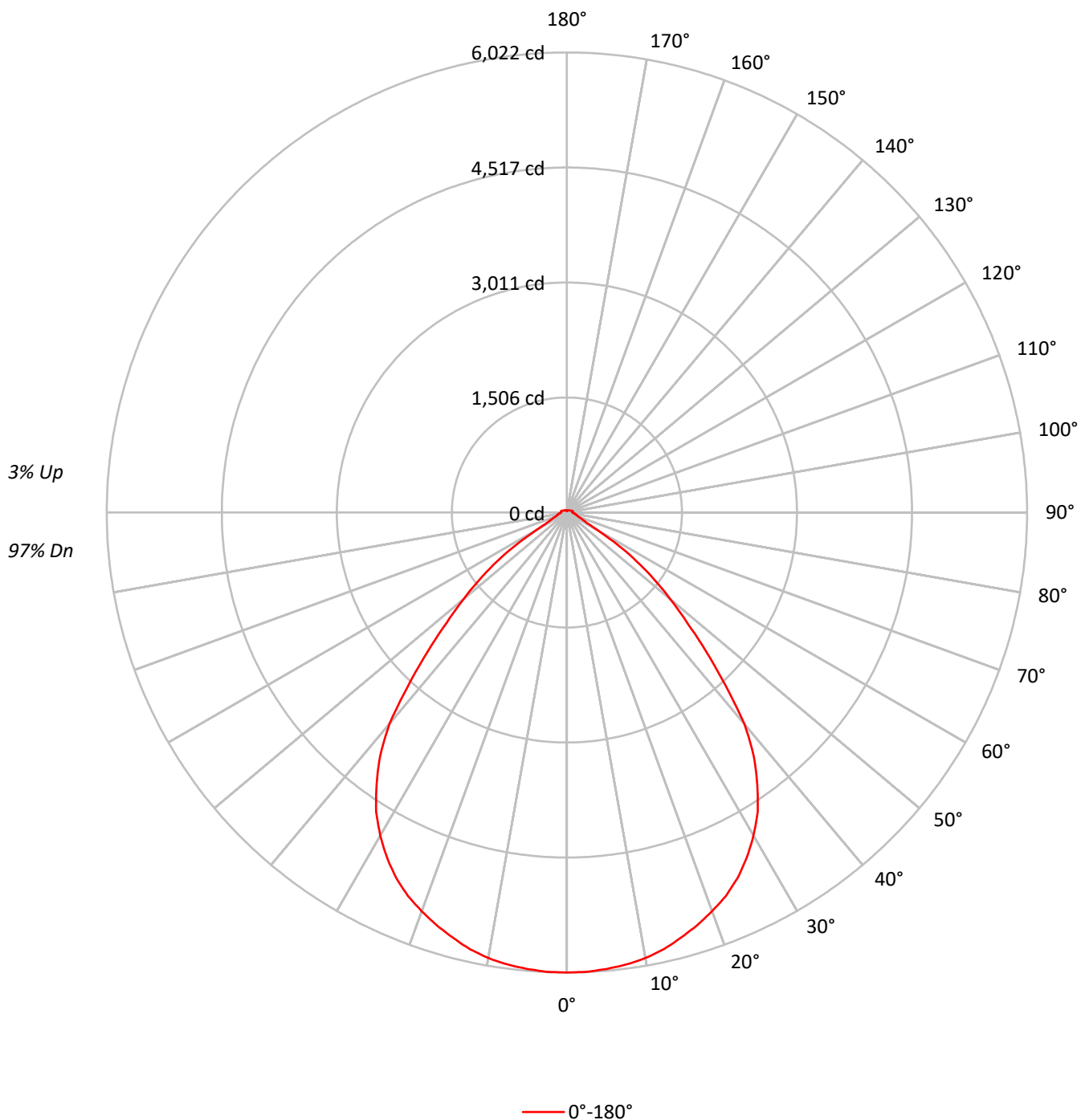
Lumens per Lamp: N/A
Luminaire Lumens: 11145.0 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 80.2
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	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°	60703
5°	59273
10°	57841
15°	56042
20°	54206
25°	52117
30°	49111
35°	44875
40°	38690
45°	28828
50°	20917
55°	14122
60°	6282
65°	3557
70°	2737
75°	2516
80°	2495
85°	2538

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28828 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.2	5.1
10°-20°	1626.2	14.6
20°-30°	2424.5	21.8
30°-40°	2694.3	24.2
40°-50°	2007.7	18.0
50°-60°	989.6	8.9
60°-70°	254.9	2.3
70°-80°	140.1	1.3
80°-90°	99.2	0.9
90°-100°	84.3	0.8
100°-110°	79.5	0.7
110°-120°	57.3	0.5
120°-130°	40.7	0.4
130°-140°	30.6	0.3
140°-150°	22.2	0.2
150°-160°	14.4	0.1
160°-170°	7.4	0.1
170°-180°	2.0	0.0
0°-30°	4620.9	41.5
0°-40°	7315.2	65.6
0°-60°	10312.5	92.5
0°-90°	10806.7	97.0
90°-120°	221.0	2.0
90°-150°	314.5	2.8
90°-180°	338.0	3.0
0°-180°	11145.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6022	
5°	5998	570
15°	5763	1626
25°	5282	2424
35°	4344	2694
45°	2574	2008
55°	1117	990
65°	236	255
75°	130	140
85°	90	78
90°	74	42
95°	77	64
105°	76	79
115°	57	57
125°	45	41
135°	39	31
145°	36	22
155°	31	14
165°	26	7
175°	20	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6021.8
2.5°	6017.4
5°	5997.5
7.5°	5967.9
10°	5922.7
12.5°	5856.7
15°	5762.8
17.5°	5665.5
20°	5555.1
22.5°	5432.6
25°	5282.2
27.5°	5096.2
30°	4884.2
32.5°	4646.9
35°	4343.6
37.5°	4015.1
40°	3613.6
42.5°	3073.0
45°	2574.2
47.5°	2133.6
50°	1767.7
52.5°	1440.0
55°	1116.8
57.5°	791.7
60°	458.9
62.5°	292.0
65°	236.4
67.5°	194.7
70°	162.5
72.5°	145.1
75°	130.4
77.5°	119.1
80°	109.5
82.5°	99.9
85°	90.4
87.5°	81.7
90°	73.9
92.5°	75.6
95°	77.3
97.5°	79.1
100°	80.0
102.5°	79.1
105°	75.6
107.5°	72.1
110°	66.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	61.7
115°	57.4
117.5°	53.0
120°	49.5
122.5°	46.9
125°	45.2
127.5°	43.5
130°	41.7
132.5°	40.8
135°	39.1
137.5°	38.2
140°	37.4
142.5°	36.5
145°	35.6
147.5°	33.9
150°	33.0
152.5°	32.2
155°	31.3
157.5°	29.5
160°	28.7
162.5°	26.9
165°	26.1
167.5°	24.3
170°	22.6
172.5°	20.9
175°	20.0
177.5°	20.9
180°	20.0

(END OF REPORT)