

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: P980616

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980616
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-HIGH-3000K-FRR3
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

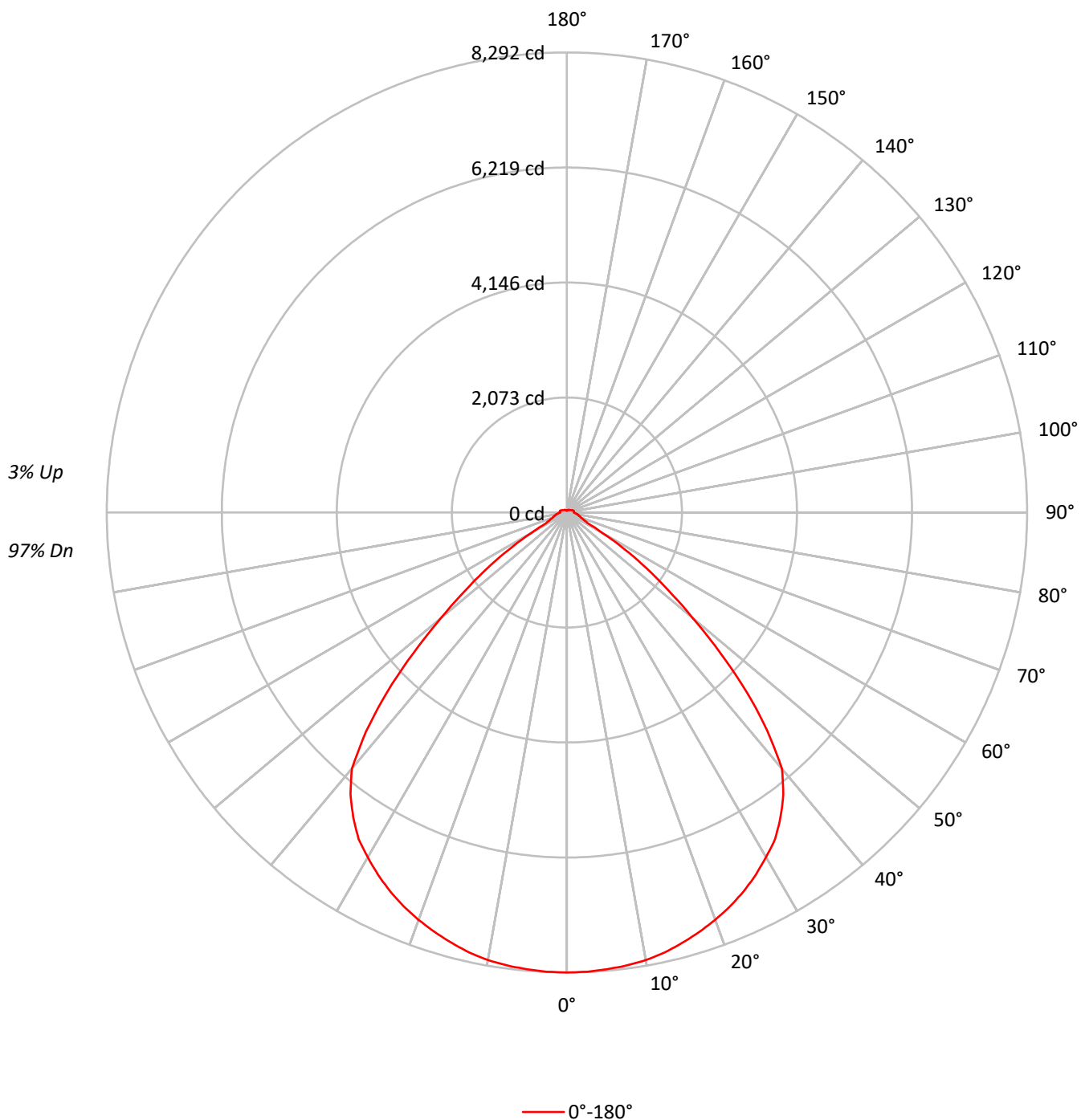
Lumens per Lamp: N/A
Luminaire Lumens: 17150.9 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 122
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 6.9
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	104	101	99	100	97	95		95	93	92		91
2	103	96	91	86	100	94	89	85	90	86	83		87	83	80		83
3	95	87	80	75	93	85	79	74	82	77	73		79	75	71		76
4	89	79	72	66	86	77	71	65	75	69	64		72	67	63		70
5	82	72	64	58	80	70	63	58	68	62	57		66	60	56		64
6	77	65	58	52	75	64	57	52	62	56	51		60	55	50		59
7	72	60	52	47	70	59	52	46	57	51	46		56	50	45		54
8	67	55	47	42	65	54	47	42	53	46	42		51	45	41		50
9	63	51	43	38	61	50	43	38	49	42	38		47	42	38		46
10	59	47	40	35	58	46	40	35	45	39	35		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83588
5°	81667
10°	80014
15°	78108
20°	76243
25°	74360
30°	72146
35°	69317
40°	64542
45°	51388
50°	34973
55°	22049
60°	10324
65°	5439
70°	4621
75°	4441
80°	4383
85°	4379

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51388 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	786.7	4.6
10°-20°	2268.6	13.2
20°-30°	3471.8	20.2
30°-40°	4178.8	24.4
40°-50°	3488.1	20.3
50°-60°	1580.5	9.2
60°-70°	401.3	2.3
70°-80°	244.4	1.4
80°-90°	170.5	1.0
90°-100°	137.6	0.8
100°-110°	129.7	0.8
110°-120°	96.5	0.6
120°-130°	68.8	0.4
130°-140°	51.7	0.3
140°-150°	37.0	0.2
150°-160°	23.7	0.1
160°-170°	11.9	0.1
170°-180°	3.2	0.0
0°-30°	6527.1	38.1
0°-40°	10705.9	62.4
0°-60°	15774.6	92.0
0°-90°	16590.8	96.7
90°-120°	363.7	2.1
90°-150°	521.2	3.0
90°-180°	560.0	3.3
0°-180°	17150.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8292	
5°	8263	787
15°	8032	2269
25°	7536	3472
35°	6710	4179
45°	4589	3488
55°	1744	1581
65°	362	401
75°	230	244
85°	156	135
90°	122	69
95°	126	104
105°	124	130
115°	96	96
125°	77	69
135°	66	52
145°	58	37
155°	51	24
165°	42	12
175°	32	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8292.0
2.5°	8285.5
5°	8263.4
7.5°	8236.1
10°	8193.2
12.5°	8125.6
15°	8031.9
17.5°	7929.2
20°	7813.5
22.5°	7683.5
25°	7536.5
27.5°	7363.6
30°	7175.0
32.5°	6981.3
35°	6709.5
37.5°	6405.3
40°	6028.2
42.5°	5353.3
45°	4588.7
47.5°	3752.7
50°	2955.6
52.5°	2302.8
55°	1743.7
57.5°	1228.8
60°	754.2
62.5°	439.5
65°	361.5
67.5°	312.1
70°	274.4
72.5°	251.0
75°	230.2
77.5°	210.6
80°	192.4
82.5°	174.2
85°	156.0
87.5°	137.8
90°	122.2
92.5°	123.5
95°	126.1
97.5°	128.7
100°	130.0
102.5°	127.4
105°	123.5
107.5°	118.3
110°	111.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.0
115°	96.2
117.5°	89.7
120°	84.5
122.5°	79.3
125°	76.7
127.5°	72.8
130°	70.2
132.5°	68.9
135°	66.3
137.5°	65.0
140°	62.4
142.5°	61.1
145°	58.5
147.5°	57.2
150°	54.6
152.5°	53.3
155°	50.7
157.5°	49.4
160°	46.8
162.5°	44.2
165°	41.6
167.5°	39.0
170°	36.4
172.5°	32.5
175°	32.5
177.5°	32.5
180°	31.2

(END OF REPORT)