

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: P980578

Luminaire Tested: UHBS2-1218-M-L83065-MID-4000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-M-L83065-MID-4000K-FRR6
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

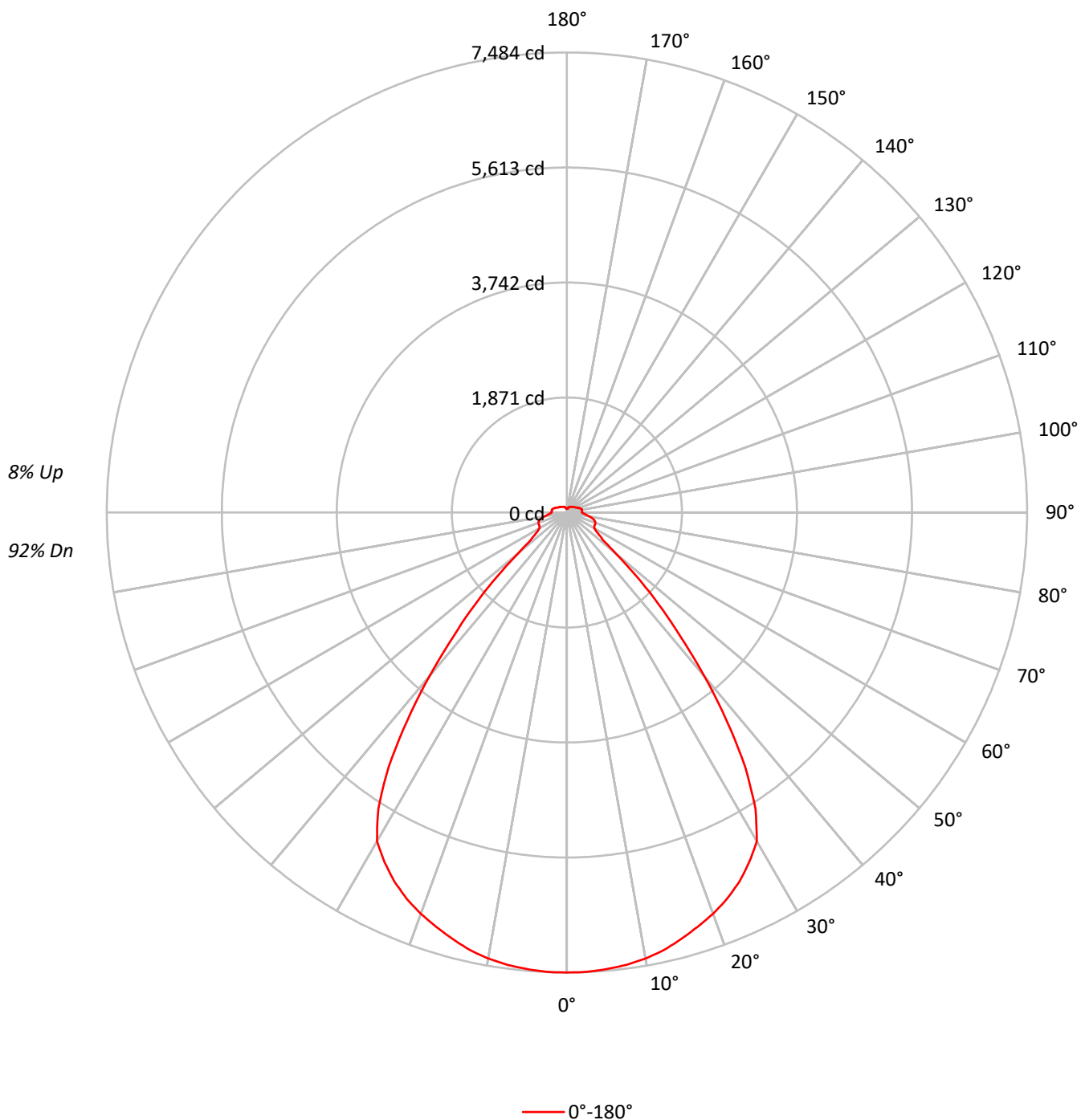
Lumens per Lamp: N/A
Luminaire Lumens: 13497.1 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 96.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.15
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	117	117	117	117	113	113	113	113	107	107	107		100	100	100		95
1	109	105	101	98	105	102	98	96	96	93	91		91	89	87		86
2	101	94	89	84	98	92	87	83	87	83	79		83	80	77		79
3	94	86	79	74	91	83	77	73	80	74	70		76	72	68		72
4	88	78	71	65	85	76	70	64	73	67	63		70	65	61		67
5	82	71	64	58	80	70	63	58	67	61	57		64	59	55		62
6	77	66	58	53	75	64	57	52	62	56	51		60	54	50		57
7	72	61	53	48	70	59	52	47	57	51	47		55	50	46		53
8	68	56	49	44	66	55	48	43	53	47	43		51	46	42		50
9	64	52	45	40	62	51	44	40	50	43	39		48	43	39		47
10	60	48	42	37	59	48	41	37	46	40	36		45	40	36		44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60597
5°	58122
10°	55774
15°	53242
20°	50817
25°	48220
30°	45028
35°	37201
40°	26047
45°	16172
50°	8188
55°	5356
60°	4529
65°	4630
70°	4979
75°	5042
80°	4617
85°	4133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16172 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.1	5.3
10°-20°	2027.6	15.0
20°-30°	3046.0	22.6
30°-40°	3084.6	22.9
40°-50°	1641.5	12.2
50°-60°	606.8	4.5
60°-70°	495.7	3.7
70°-80°	472.1	3.5
80°-90°	326.6	2.4
90°-100°	270.3	2.0
100°-110°	246.9	1.8
110°-120°	185.5	1.4
120°-130°	136.2	1.0
130°-140°	101.8	0.8
140°-150°	72.0	0.5
150°-160°	45.7	0.3
160°-170°	22.8	0.2
170°-180°	5.9	0.0
0°-30°	5782.7	42.8
0°-40°	8867.3	65.7
0°-60°	11115.5	82.4
0°-90°	12409.9	91.9
90°-120°	702.7	5.2
90°-150°	1012.7	7.5
90°-180°	1087.0	8.1
0°-180°	13497.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7484	
5°	7457	709
15°	7184	2028
25°	6629	3046
35°	5053	3085
45°	2103	1641
55°	644	607
65°	495	496
75°	456	472
85°	293	257
90°	247	138
95°	248	203
105°	235	247
115°	186	186
125°	150	136
135°	131	102
145°	114	72
155°	99	46
165°	80	23
175°	60	6
180°	59	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7483.9
2.5°	7480.7
5°	7457.0
7.5°	7421.6
10°	7368.9
12.5°	7289.5
15°	7184.2
17.5°	7067.1
20°	6947.9
22.5°	6803.9
25°	6628.8
27.5°	6418.3
30°	6176.6
32.5°	5707.2
35°	5053.0
37.5°	4269.9
40°	3476.1
42.5°	2727.4
45°	2103.3
47.5°	1527.5
50°	1029.1
52.5°	742.3
55°	644.5
57.5°	562.9
60°	516.7
62.5°	501.6
65°	495.2
67.5°	496.3
70°	493.1
72.5°	481.2
75°	455.5
77.5°	416.8
80°	373.8
82.5°	330.9
85°	293.3
87.5°	263.2
90°	247.1
92.5°	246.0
95°	248.1
97.5°	249.2
100°	248.1
102.5°	243.8
105°	235.2
107.5°	224.5
110°	210.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	197.7
115°	185.8
117.5°	175.1
120°	165.4
122.5°	157.9
125°	150.4
127.5°	145.0
130°	140.7
132.5°	135.3
135°	131.1
137.5°	126.8
140°	122.5
142.5°	118.2
145°	113.9
147.5°	110.6
150°	106.3
152.5°	103.1
155°	98.8
157.5°	93.5
160°	89.2
162.5°	84.9
165°	79.5
167.5°	75.2
170°	67.7
172.5°	61.2
175°	60.2
177.5°	60.2
180°	59.1

(END OF REPORT)