

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: P980575

Luminaire Tested: UHBS2-1218-M-L83065-MID-3500K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980575
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-3500K-FRR6
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

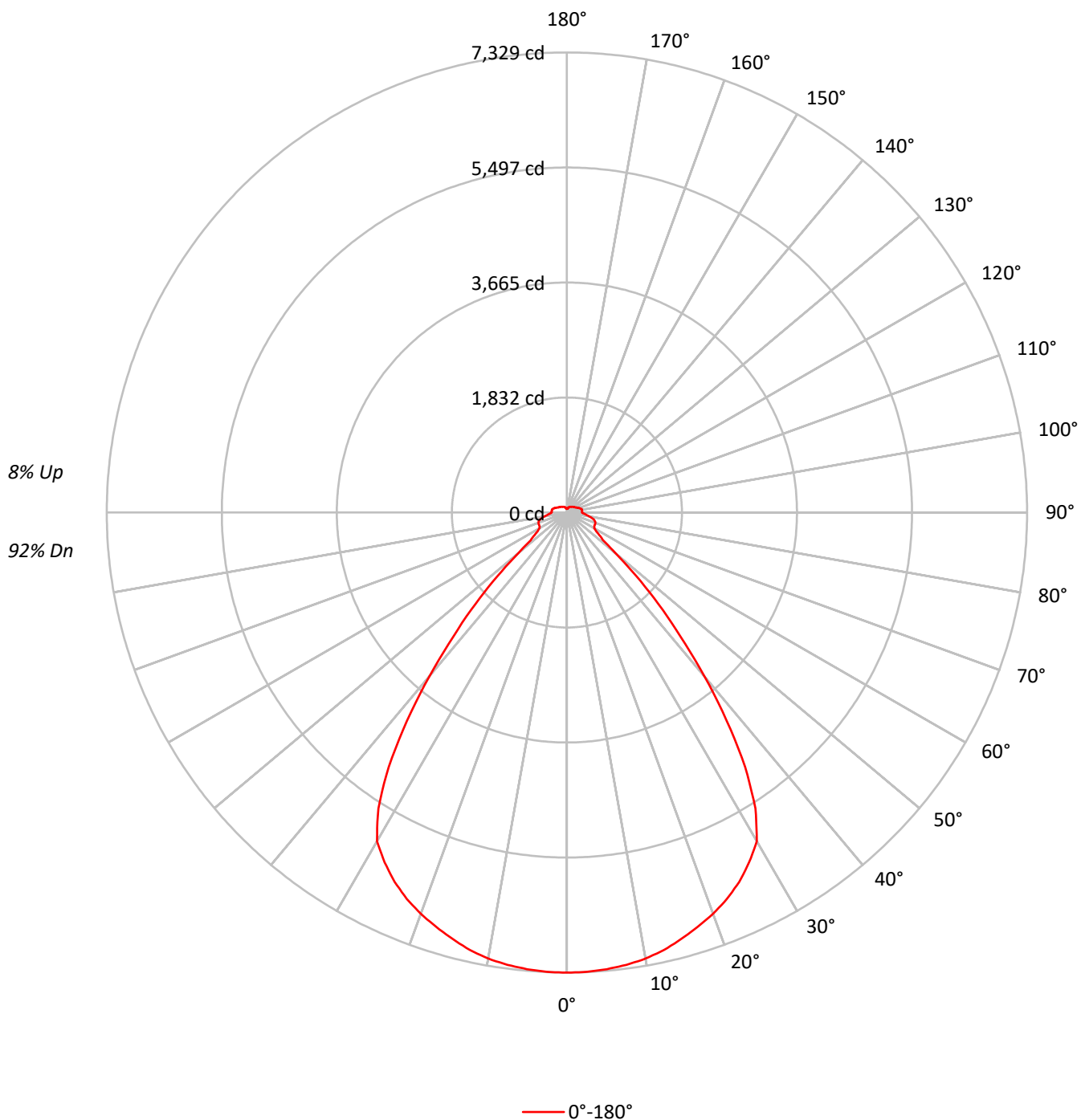
Lumens per Lamp: N/A
Luminaire Lumens: 13218.0 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 97.6
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°	59345
5°	56921
10°	54622
15°	52141
20°	49766
25°	47223
30°	44097
35°	36432
40°	25508
45°	15837
50°	8019
55°	5245
60°	4435
65°	4534
70°	4876
75°	4937
80°	4522
85°	4047

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15837 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	694.4	5.3
10°-20°	1985.7	15.0
20°-30°	2983.0	22.6
30°-40°	3020.8	22.9
40°-50°	1607.5	12.2
50°-60°	594.2	4.5
60°-70°	485.5	3.7
70°-80°	462.4	3.5
80°-90°	319.8	2.4
90°-100°	264.7	2.0
100°-110°	241.8	1.8
110°-120°	181.7	1.4
120°-130°	133.4	1.0
130°-140°	99.7	0.8
140°-150°	70.5	0.5
150°-160°	44.8	0.3
160°-170°	22.4	0.2
170°-180°	5.8	0.0
0°-30°	5663.1	42.8
0°-40°	8683.9	65.7
0°-60°	10885.6	82.4
0°-90°	12153.2	91.9
90°-120°	688.2	5.2
90°-150°	991.8	7.5
90°-180°	1065.0	8.1
0°-180°	13218.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7329	
5°	7303	694
15°	7036	1986
25°	6492	2983
35°	4948	3021
45°	2060	1608
55°	631	594
65°	485	485
75°	446	462
85°	287	251
90°	242	135
95°	243	199
105°	230	242
115°	182	182
125°	147	133
135°	128	100
145°	112	70
155°	97	45
165°	78	22
175°	59	6
180°	58	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7329.2
2.5°	7326.0
5°	7302.9
7.5°	7268.2
10°	7216.6
12.5°	7138.8
15°	7035.7
17.5°	6921.0
20°	6804.2
22.5°	6663.3
25°	6491.8
27.5°	6285.6
30°	6048.9
32.5°	5589.2
35°	4948.5
37.5°	4181.6
40°	3404.2
42.5°	2671.0
45°	2059.8
47.5°	1495.9
50°	1007.8
52.5°	726.9
55°	631.2
57.5°	551.2
60°	506.0
62.5°	491.3
65°	485.0
67.5°	486.0
70°	482.9
72.5°	471.3
75°	446.0
77.5°	408.2
80°	366.1
82.5°	324.0
85°	287.2
87.5°	257.7
90°	242.0
92.5°	240.9
95°	243.0
97.5°	244.1
100°	243.0
102.5°	238.8
105°	230.4
107.5°	219.9
110°	206.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	193.6
115°	182.0
117.5°	171.5
120°	162.0
122.5°	154.6
125°	147.3
127.5°	142.0
130°	137.8
132.5°	132.6
135°	128.3
137.5°	124.1
140°	119.9
142.5°	115.7
145°	111.5
147.5°	108.4
150°	104.1
152.5°	101.0
155°	96.8
157.5°	91.5
160°	87.3
162.5°	83.1
165°	77.8
167.5°	73.6
170°	66.3
172.5°	60.0
175°	58.9
177.5°	58.9
180°	57.9

(END OF REPORT)