

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: P980572

Luminaire Tested: UHBS2-1218-M-L83065-MID-3000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980572
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-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

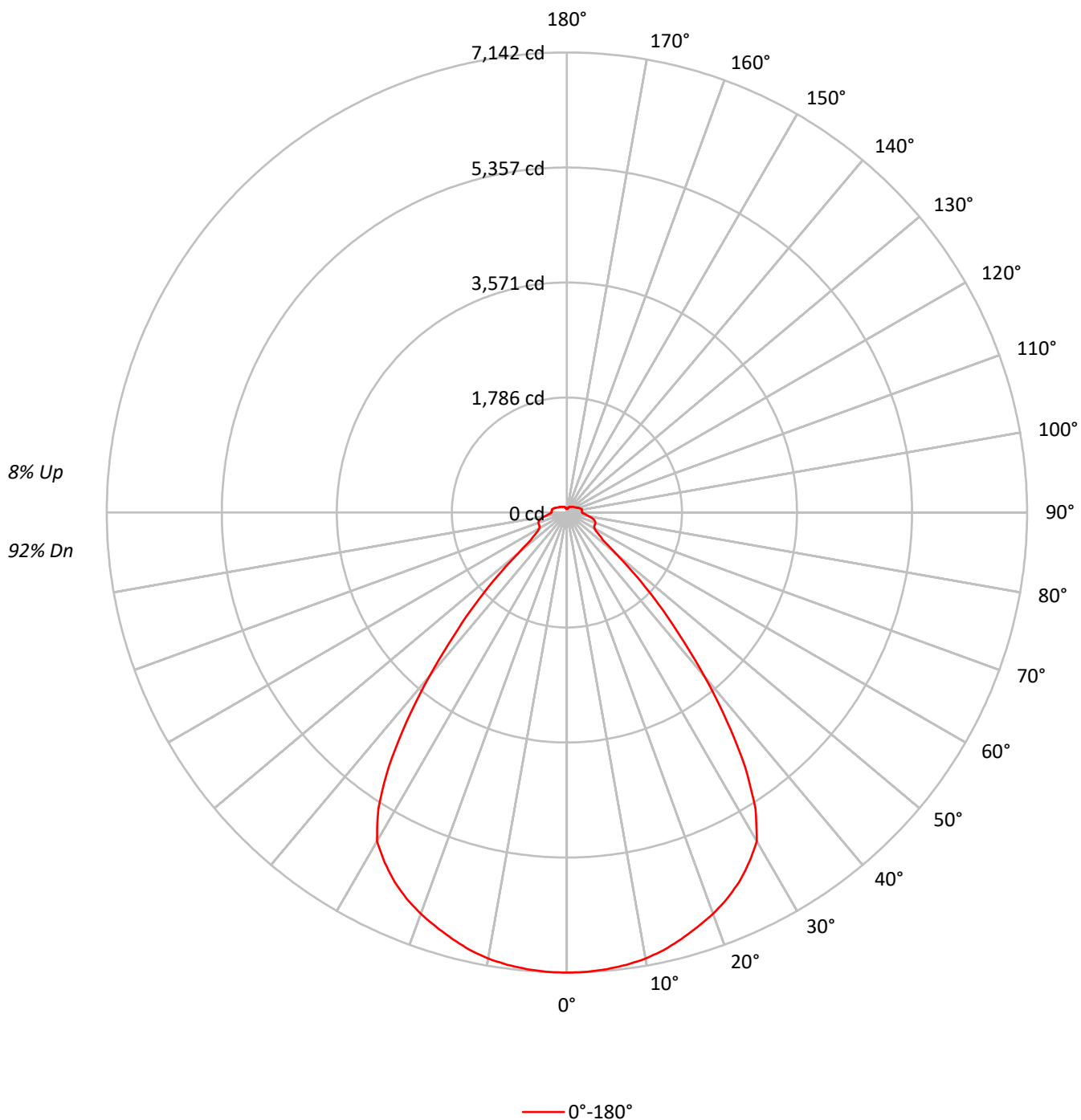
Lumens per Lamp: N/A
Luminaire Lumens: 12881.1 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 98.9
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°	57831
5°	55470
10°	53229
15°	50812
20°	48498
25°	46019
30°	42973
35°	35503
40°	24858
45°	15433
50°	7814
55°	5111
60°	4322
65°	4418
70°	4752
75°	4812
80°	4407
85°	3944

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15433 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.7	5.3
10°-20°	1935.1	15.0
20°-30°	2907.0	22.6
30°-40°	2943.8	22.9
40°-50°	1566.5	12.2
50°-60°	579.1	4.5
60°-70°	473.1	3.7
70°-80°	450.6	3.5
80°-90°	311.7	2.4
90°-100°	258.0	2.0
100°-110°	235.6	1.8
110°-120°	177.1	1.4
120°-130°	130.0	1.0
130°-140°	97.2	0.8
140°-150°	68.7	0.5
150°-160°	43.6	0.3
160°-170°	21.8	0.2
170°-180°	5.7	0.0
0°-30°	5518.8	42.8
0°-40°	8462.6	65.7
0°-60°	10608.2	82.4
0°-90°	11843.5	91.9
90°-120°	670.7	5.2
90°-150°	966.5	7.5
90°-180°	1038.0	8.1
0°-180°	12881.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7142	
5°	7117	677
15°	6856	1935
25°	6326	2907
35°	4822	2944
45°	2007	1567
55°	615	579
65°	473	473
75°	435	451
85°	280	245
90°	236	131
95°	237	193
105°	224	236
115°	177	177
125°	144	130
135°	125	97
145°	109	69
155°	94	44
165°	76	22
175°	57	6
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7142.3
2.5°	7139.2
5°	7116.7
7.5°	7082.9
10°	7032.6
12.5°	6956.8
15°	6856.3
17.5°	6744.6
20°	6630.8
22.5°	6493.4
25°	6326.3
27.5°	6125.4
30°	5894.7
32.5°	5446.7
35°	4822.4
37.5°	4075.0
40°	3317.4
42.5°	2602.9
45°	2007.3
47.5°	1457.8
50°	982.1
52.5°	708.4
55°	615.1
57.5°	537.2
60°	493.1
62.5°	478.8
65°	472.6
67.5°	473.6
70°	470.6
72.5°	459.3
75°	434.7
77.5°	397.8
80°	356.8
82.5°	315.8
85°	279.9
87.5°	251.2
90°	235.8
92.5°	234.8
95°	236.8
97.5°	237.8
100°	236.8
102.5°	232.7
105°	224.5
107.5°	214.3
110°	200.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	188.6
115°	177.4
117.5°	167.1
120°	157.9
122.5°	150.7
125°	143.5
127.5°	138.4
130°	134.3
132.5°	129.2
135°	125.1
137.5°	121.0
140°	116.9
142.5°	112.8
145°	108.7
147.5°	105.6
150°	101.5
152.5°	98.4
155°	94.3
157.5°	89.2
160°	85.1
162.5°	81.0
165°	75.9
167.5°	71.8
170°	64.6
172.5°	58.4
175°	57.4
177.5°	57.4
180°	56.4

(END OF REPORT)