

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: P980606

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-9)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-N-L83065-MID-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

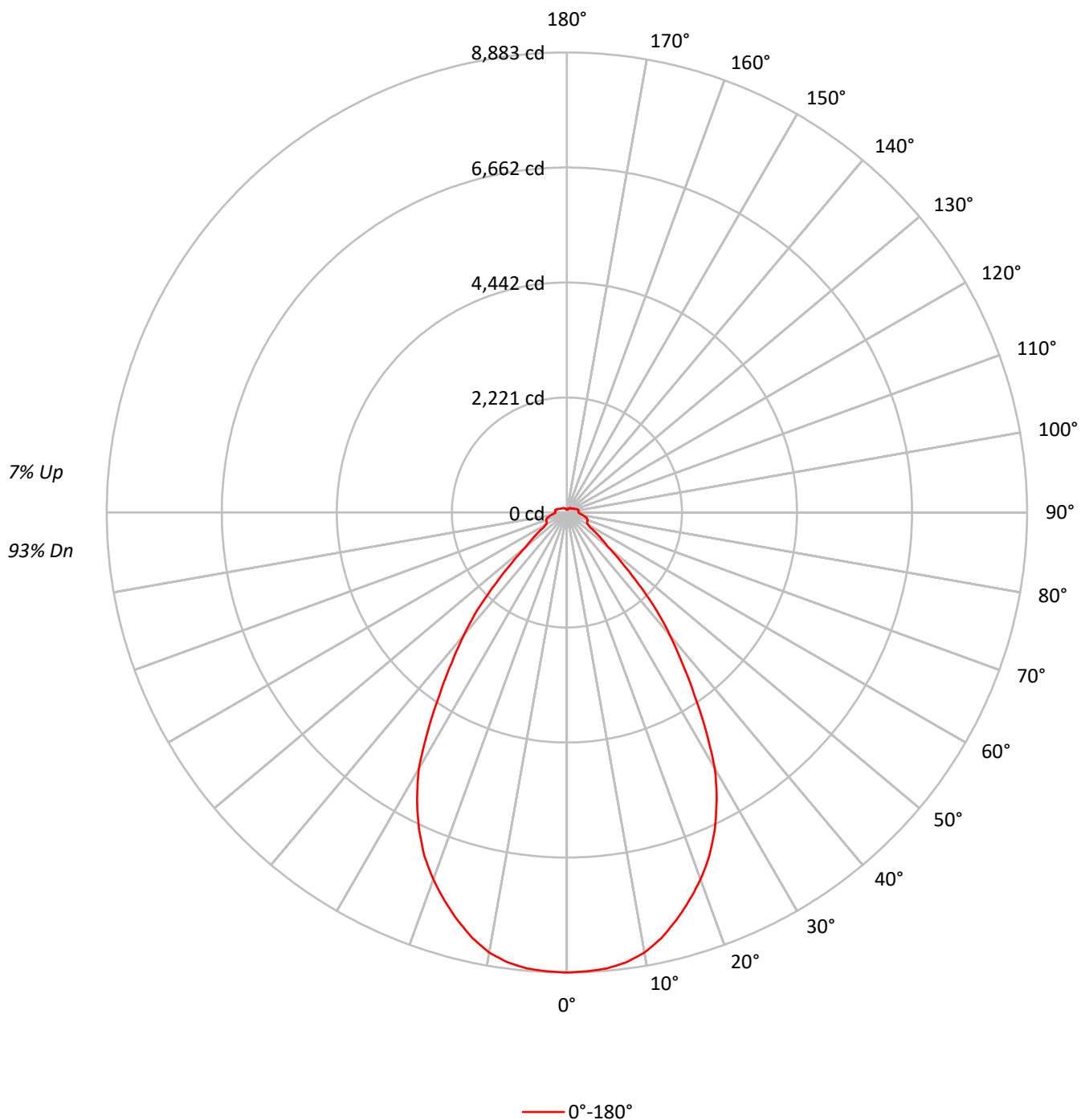
Lumens per Lamp: N/A
Luminaire Lumens: 13152.9 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

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	114	114	114	114	107	107	107		101	101	101		95
1	109	105	102	99	106	102	99	97	97	94	92		92	90	88		87
2	102	95	90	85	99	93	88	84	88	84	81		84	81	78		80
3	95	87	80	75	92	85	79	74	81	76	72		77	73	70		74
4	89	79	72	67	86	78	71	66	74	69	65		71	67	63		69
5	83	73	66	60	81	71	65	60	69	63	58		66	61	57		64
6	78	67	60	55	76	66	59	54	64	58	53		61	56	52		59
7	73	62	55	50	71	61	54	50	59	53	49		57	52	48		55
8	69	58	51	46	67	57	50	46	55	49	45		53	48	44		52
9	65	54	47	42	64	53	47	42	52	46	42		50	45	41		49
10	62	50	44	39	60	50	43	39	48	43	39		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71926
5°	68876
10°	65304
15°	60413
20°	55151
25°	49132
30°	41673
35°	31505
40°	23192
45°	15014
50°	8285
55°	5683
60°	4086
65°	4009
70°	4297
75°	4296
80°	3912
85°	3595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15014 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	837.0	6.4
10°-20°	2287.9	17.4
20°-30°	3079.6	23.4
30°-40°	2688.3	20.4
40°-50°	1533.3	11.7
50°-60°	627.0	4.8
60°-70°	432.4	3.3
70°-80°	403.0	3.1
80°-90°	283.9	2.2
90°-100°	247.1	1.9
100°-110°	226.4	1.7
110°-120°	166.0	1.3
120°-130°	120.1	0.9
130°-140°	89.9	0.7
140°-150°	64.0	0.5
150°-160°	40.9	0.3
160°-170°	20.6	0.2
170°-180°	5.5	0.0
0°-30°	6204.6	47.2
0°-40°	8892.9	67.6
0°-60°	11053.2	84.0
0°-90°	12172.5	92.5
90°-120°	639.5	4.9
90°-150°	913.5	6.9
90°-180°	980.0	7.5
0°-180°	13152.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8883	
5°	8837	837
15°	8152	2288
25°	6754	3080
35°	4279	2688
45°	1953	1533
55°	684	627
65°	429	432
75°	388	403
85°	255	222
90°	222	124
95°	226	186
105°	217	226
115°	166	166
125°	133	120
135°	115	90
145°	101	64
155°	88	41
165°	73	21
175°	56	5
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8883.0
2.5°	8868.7
5°	8836.8
7.5°	8762.0
10°	8627.9
12.5°	8419.0
15°	8151.8
17.5°	7854.9
20°	7540.5
22.5°	7182.0
25°	6754.3
27.5°	6262.8
30°	5716.4
32.5°	4989.6
35°	4279.3
37.5°	3649.3
40°	3095.1
42.5°	2563.0
45°	1952.7
47.5°	1451.4
50°	1041.2
52.5°	851.0
55°	683.9
57.5°	530.0
60°	466.2
62.5°	438.7
65°	428.8
67.5°	429.9
70°	425.5
72.5°	412.3
75°	388.1
77.5°	354.0
80°	316.7
82.5°	283.7
85°	255.1
87.5°	233.1
90°	222.1
92.5°	224.3
95°	226.5
97.5°	229.8
100°	228.7
102.5°	224.3
105°	216.6
107.5°	204.5
110°	191.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	178.1
115°	166.0
117.5°	155.0
120°	146.2
122.5°	139.6
125°	133.0
127.5°	127.5
130°	123.1
132.5°	119.8
135°	115.4
137.5°	112.2
140°	108.9
142.5°	105.6
145°	101.2
147.5°	97.9
150°	94.6
152.5°	91.3
155°	88.0
157.5°	84.7
160°	80.3
162.5°	75.9
165°	72.6
167.5°	67.1
170°	61.6
172.5°	56.1
175°	56.1
177.5°	55.0
180°	55.0

(END OF REPORT)