

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: P980647

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-W-L83065-MID-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

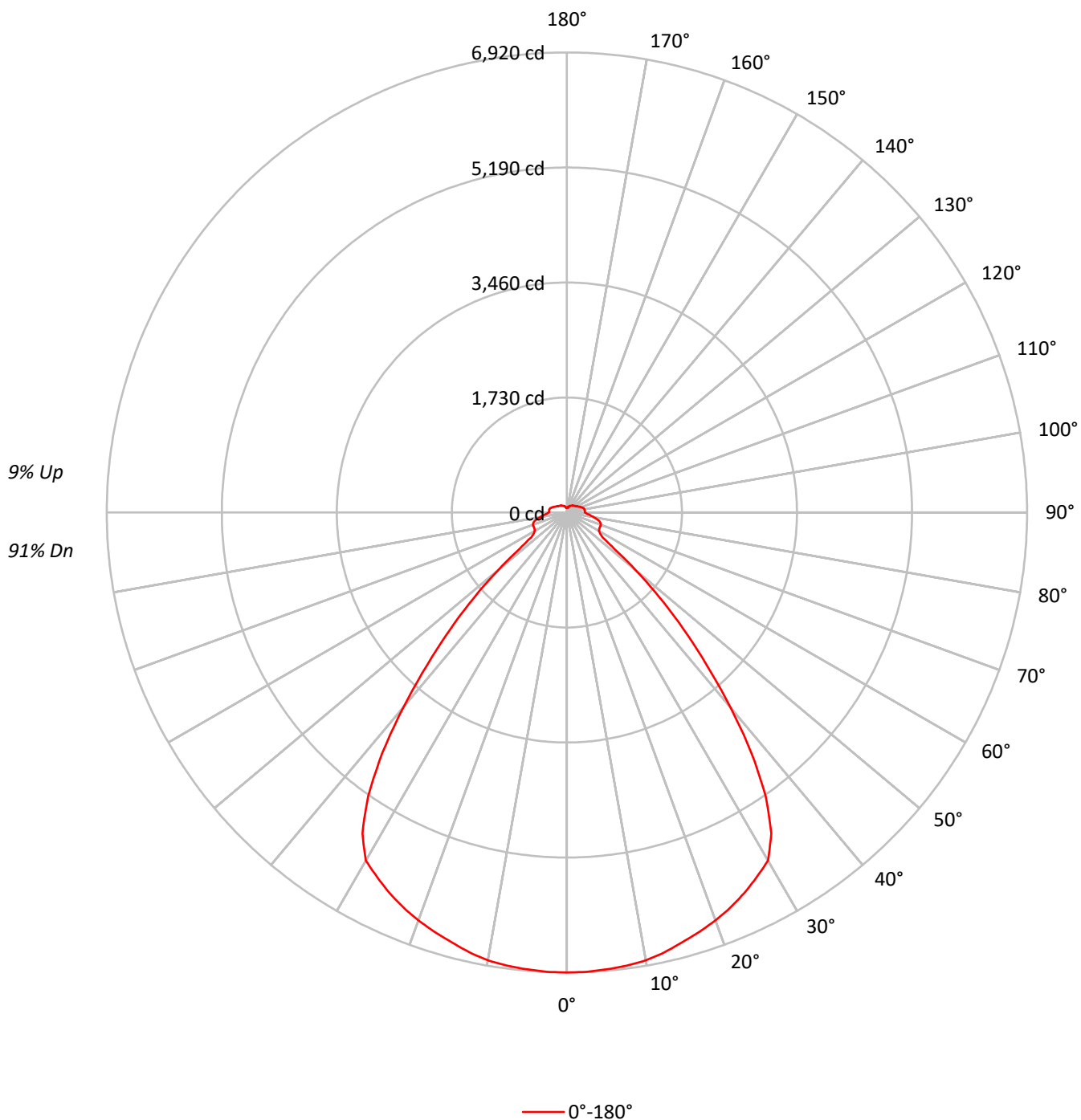
Lumens per Lamp: N/A
Luminaire Lumens: 13868.1 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

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	106	106	106		100	100	100		94
1	108	104	101	97	105	101	98	95	95	93	90		90	88	86		85
2	100	94	88	83	97	91	86	81	86	82	78		82	78	75		78
3	93	85	78	72	90	82	76	71	78	73	69		75	70	67		71
4	87	77	69	64	84	75	68	63	72	66	61		68	63	60		65
5	81	70	62	57	78	68	61	56	66	59	55		63	58	53		60
6	76	64	57	51	73	63	56	50	60	54	49		58	53	48		56
7	71	59	51	46	69	58	51	46	56	49	45		54	48	44		52
8	66	55	47	42	64	53	46	42	52	45	41		50	44	40		48
9	62	50	43	38	61	50	43	38	48	42	37		46	41	37		45
10	59	47	40	35	57	46	39	35	45	39	34		43	38	34		42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56028
5°	53766
10°	51779
15°	49608
20°	47749
25°	45934
30°	44075
35°	38371
40°	28683
45°	19029
50°	10791
55°	5483
60°	4888
65°	5074
70°	5480
75°	5591
80°	5110
85°	4543

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19029 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.7	4.7
10°-20°	1892.6	13.6
20°-30°	2911.1	21.0
30°-40°	3180.7	22.9
40°-50°	1921.5	13.9
50°-60°	690.2	5.0
60°-70°	541.8	3.9
70°-80°	522.5	3.8
80°-90°	359.9	2.6
90°-100°	293.7	2.1
100°-110°	268.9	1.9
110°-120°	204.2	1.5
120°-130°	150.4	1.1
130°-140°	112.4	0.8
140°-150°	79.3	0.6
150°-160°	50.4	0.4
160°-170°	25.2	0.2
170°-180°	6.5	0.0
0°-30°	5460.5	39.4
0°-40°	8641.2	62.3
0°-60°	11252.9	81.1
0°-90°	12677.1	91.4
90°-120°	766.8	5.5
90°-150°	1108.8	8.0
90°-180°	1191.0	8.6
0°-180°	13868.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6920	
5°	6898	657
15°	6694	1893
25°	6315	2911
35°	5212	3181
45°	2475	1922
55°	660	690
65°	543	542
75°	505	522
85°	322	283
90°	271	151
95°	269	220
105°	257	269
115°	204	204
125°	167	150
135°	145	112
145°	126	79
155°	108	50
165°	88	25
175°	67	7
180°	66	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6919.6
2.5°	6915.3
5°	6898.1
7.5°	6875.5
10°	6841.1
12.5°	6776.6
15°	6693.9
17.5°	6615.4
20°	6528.4
22.5°	6430.6
25°	6314.6
27.5°	6182.4
30°	6045.9
32.5°	5721.4
35°	5212.0
37.5°	4558.6
40°	3827.8
42.5°	3101.4
45°	2474.9
47.5°	1890.3
50°	1356.2
52.5°	895.2
55°	659.8
57.5°	593.2
60°	557.7
62.5°	547.0
65°	542.7
67.5°	543.8
70°	542.7
72.5°	530.9
75°	505.1
77.5°	463.2
80°	413.7
82.5°	365.4
85°	322.4
87.5°	290.2
90°	270.8
92.5°	268.7
95°	268.7
97.5°	269.7
100°	268.7
102.5°	264.4
105°	256.8
107.5°	245.0
110°	231.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	218.2
115°	204.2
117.5°	192.4
120°	182.7
122.5°	174.1
125°	166.6
127.5°	160.1
130°	154.7
132.5°	149.4
135°	145.1
137.5°	139.7
140°	135.4
142.5°	130.0
145°	125.7
147.5°	121.4
150°	117.1
152.5°	112.8
155°	108.5
157.5°	104.2
160°	98.9
162.5°	93.5
165°	88.1
167.5°	81.7
170°	75.2
172.5°	66.6
175°	66.6
177.5°	65.6
180°	65.6

(END OF REPORT)