

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: P980646

Luminaire Tested: UHBS2-1218-W-L83065-MID-3000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-W-L83065-MID-3000K-FRR3
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

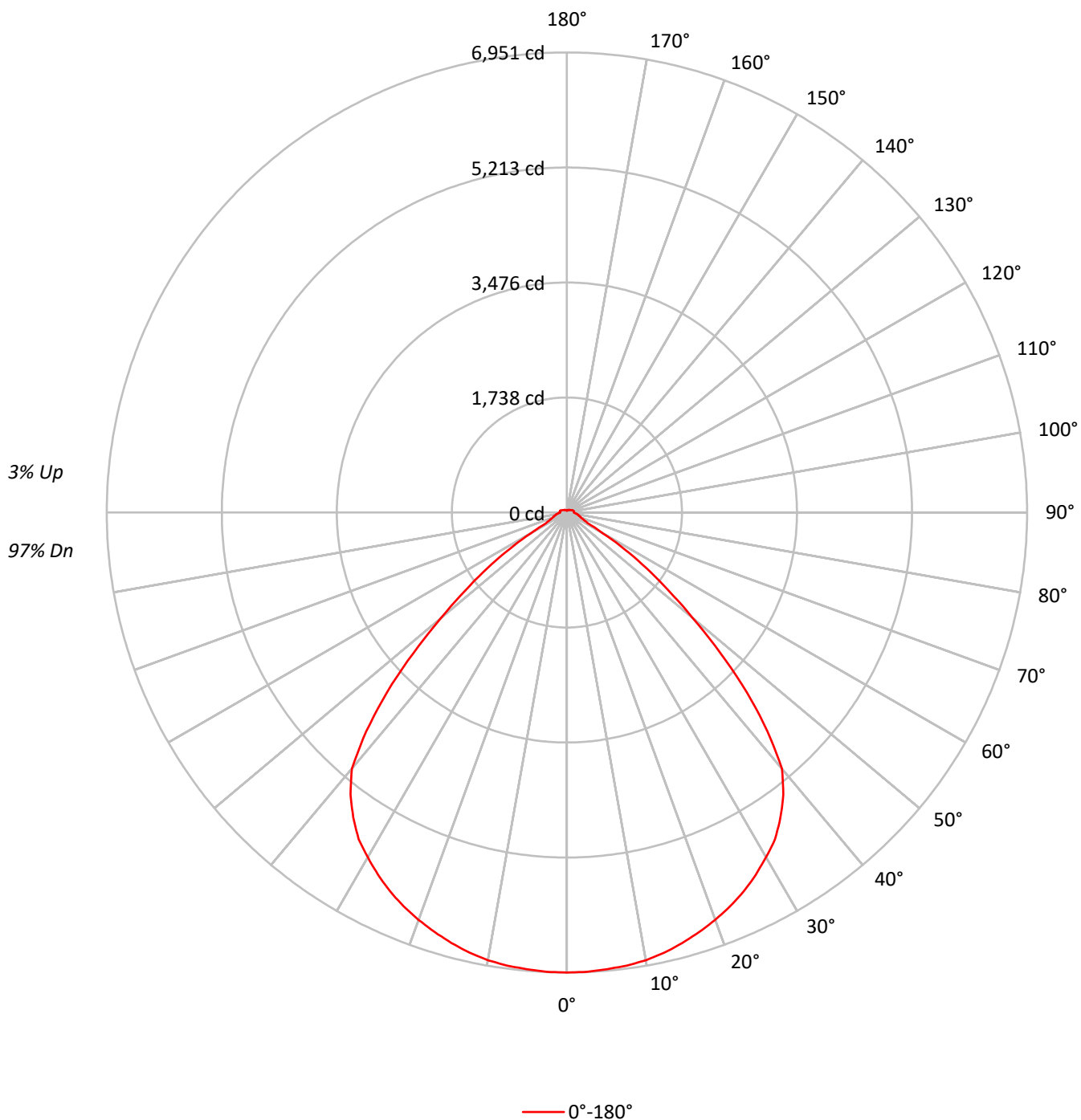
Lumens per Lamp: N/A
Luminaire Lumens: 14378.0 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99
1	111	107	104	101	108	104	101	99	100	97	95		95	93	92		91
2	103	96	91	86	100	94	89	85	90	86	83		87	83	80		83
3	95	87	80	75	93	85	79	74	82	77	73		79	75	71		76
4	89	79	72	66	86	77	71	65	75	69	64		72	67	63		70
5	82	72	64	58	80	70	63	58	68	62	57		66	60	56		64
6	77	65	58	52	75	64	57	52	62	56	51		60	55	50		59
7	72	60	52	47	70	59	52	46	57	51	46		56	50	45		54
8	67	55	47	42	65	54	47	42	53	46	42		51	45	41		50
9	63	51	43	38	61	50	43	38	49	42	38		47	42	38		46
10	59	47	40	35	58	46	40	35	45	39	35		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70073
5°	68462
10°	67077
15°	65480
20°	63916
25°	62337
30°	60482
35°	58110
40°	54106
45°	43080
50°	29318
55°	18484
60°	8654
65°	4559
70°	3874
75°	3722
80°	3675
85°	3672

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43080 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	659.5	4.6
10°-20°	1901.8	13.2
20°-30°	2910.5	20.2
30°-40°	3503.2	24.4
40°-50°	2924.2	20.3
50°-60°	1325.0	9.2
60°-70°	336.4	2.3
70°-80°	204.9	1.4
80°-90°	142.9	1.0
90°-100°	115.4	0.8
100°-110°	108.7	0.8
110°-120°	80.9	0.6
120°-130°	57.7	0.4
130°-140°	43.3	0.3
140°-150°	31.1	0.2
150°-160°	19.9	0.1
160°-170°	10.0	0.1
170°-180°	2.7	0.0
0°-30°	5471.8	38.1
0°-40°	8975.0	62.4
0°-60°	13224.1	92.0
0°-90°	13908.3	96.7
90°-120°	305.0	2.1
90°-150°	437.1	3.0
90°-180°	470.0	3.3
0°-180°	14378.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6951	
5°	6927	660
15°	6733	1902
25°	6318	2911
35°	5625	3503
45°	3847	2924
55°	1462	1325
65°	303	336
75°	193	205
85°	131	113
90°	102	58
95°	106	87
105°	104	109
115°	81	81
125°	64	58
135°	56	43
145°	49	31
155°	42	20
165°	35	10
175°	27	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6951.3
2.5°	6945.9
5°	6927.3
7.5°	6904.5
10°	6868.5
12.5°	6811.8
15°	6733.3
17.5°	6647.2
20°	6550.2
22.5°	6441.2
25°	6318.0
27.5°	6173.0
30°	6015.0
32.5°	5852.5
35°	5624.7
37.5°	5369.6
40°	5053.5
42.5°	4487.8
45°	3846.8
47.5°	3145.9
50°	2477.7
52.5°	1930.5
55°	1461.8
57.5°	1030.1
60°	632.2
62.5°	368.4
65°	303.0
67.5°	261.6
70°	230.0
72.5°	210.4
75°	192.9
77.5°	176.6
80°	161.3
82.5°	146.1
85°	130.8
87.5°	115.5
90°	102.5
92.5°	103.6
95°	105.7
97.5°	107.9
100°	109.0
102.5°	106.8
105°	103.6
107.5°	99.2
110°	93.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	87.2
115°	80.7
117.5°	75.2
120°	70.9
122.5°	66.5
125°	64.3
127.5°	61.0
130°	58.9
132.5°	57.8
135°	55.6
137.5°	54.5
140°	52.3
142.5°	51.2
145°	49.1
147.5°	48.0
150°	45.8
152.5°	44.7
155°	42.5
157.5°	41.4
160°	39.2
162.5°	37.1
165°	34.9
167.5°	32.7
170°	30.5
172.5°	27.3
175°	27.3
177.5°	27.3
180°	26.2

(END OF REPORT)