

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: P980596

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980596
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-LOW-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

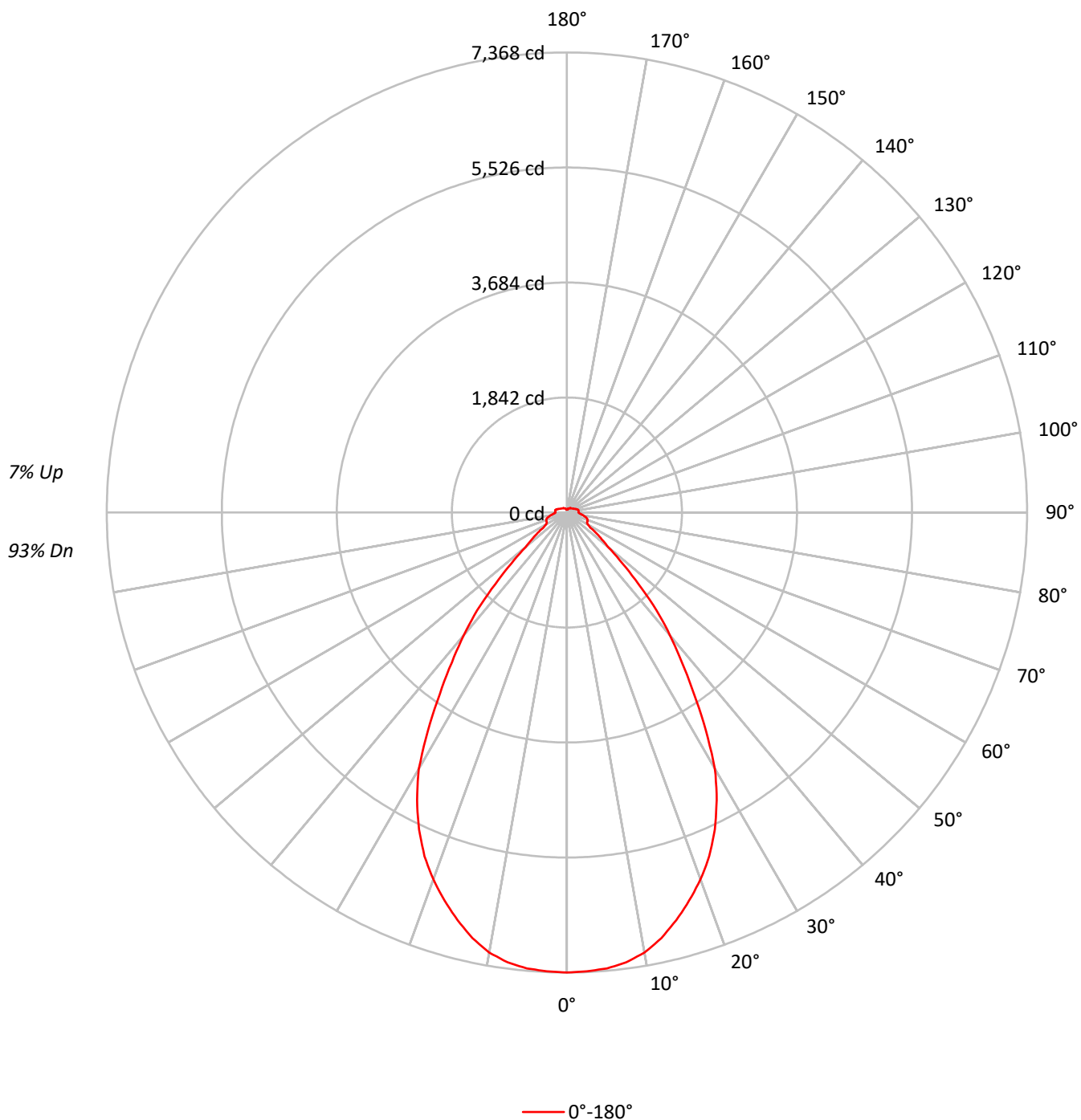
Lumens per Lamp: N/A
Luminaire Lumens: 10909.0 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 80.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.2
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	30	10
RCR																	
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95
1	109	105	102	99	106	102	99	97	97	94	92	92	90	88	87	86	84
2	102	95	90	85	99	93	88	84	88	84	81	84	81	78	80	78	75
3	95	87	80	75	92	85	79	74	81	76	72	77	73	70	74	71	68
4	89	79	72	67	86	78	71	66	74	69	65	71	67	63	69	65	62
5	83	73	66	60	81	71	65	60	69	63	58	66	61	57	64	59	56
6	78	67	60	55	76	66	59	54	64	58	53	61	56	52	59	55	51
7	73	62	55	50	71	61	54	50	59	53	49	57	52	48	55	51	47
8	69	58	51	46	67	57	50	46	55	49	45	53	48	44	52	47	44
9	65	54	47	42	64	53	47	42	52	46	42	50	45	41	49	44	40
10	62	50	44	39	60	50	43	39	48	43	39	47	42	38	46	41	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59655
5°	57126
10°	54162
15°	50106
20°	45742
25°	40750
30°	34563
35°	26130
40°	19236
45°	12453
50°	6871
55°	4713
60°	3389
65°	3325
70°	3564
75°	3563
80°	3244
85°	2982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	694.2	6.4
10°-20°	1897.6	17.4
20°-30°	2554.2	23.4
30°-40°	2229.7	20.4
40°-50°	1271.7	11.7
50°-60°	520.0	4.8
60°-70°	358.7	3.3
70°-80°	334.3	3.1
80°-90°	235.5	2.2
90°-100°	205.0	1.9
100°-110°	187.8	1.7
110°-120°	137.7	1.3
120°-130°	99.7	0.9
130°-140°	74.6	0.7
140°-150°	53.1	0.5
150°-160°	33.9	0.3
160°-170°	17.1	0.2
170°-180°	4.5	0.0
0°-30°	5146.0	47.2
0°-40°	7375.7	67.6
0°-60°	9167.4	84.0
0°-90°	10095.8	92.5
90°-120°	530.4	4.9
90°-150°	757.7	6.9
90°-180°	813.0	7.5
0°-180°	10909.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7368	
5°	7329	694
15°	6761	1898
25°	5602	2554
35°	3549	2230
45°	1620	1272
55°	567	520
65°	356	359
75°	322	334
85°	212	184
90°	184	102
95°	188	154
105°	180	188
115°	138	138
125°	110	100
135°	96	75
145°	84	53
155°	73	34
165°	60	17
175°	46	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7367.5
2.5°	7355.6
5°	7329.2
7.5°	7267.2
10°	7155.9
12.5°	6982.7
15°	6761.1
17.5°	6514.8
20°	6254.0
22.5°	5956.7
25°	5602.0
27.5°	5194.4
30°	4741.1
32.5°	4138.3
35°	3549.2
37.5°	3026.7
40°	2567.1
42.5°	2125.7
45°	1619.6
47.5°	1203.7
50°	863.6
52.5°	705.8
55°	567.2
57.5°	439.6
60°	386.7
62.5°	363.9
65°	355.7
67.5°	356.6
70°	352.9
72.5°	342.0
75°	321.9
77.5°	293.6
80°	262.6
82.5°	235.3
85°	211.6
87.5°	193.3
90°	184.2
92.5°	186.0
95°	187.9
97.5°	190.6
100°	189.7
102.5°	186.0
105°	179.7
107.5°	169.6
110°	158.7



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	147.7
115°	137.7
117.5°	128.6
120°	121.3
122.5°	115.8
125°	110.3
127.5°	105.8
130°	102.1
132.5°	99.4
135°	95.8
137.5°	93.0
140°	90.3
142.5°	87.5
145°	83.9
147.5°	81.2
150°	78.4
152.5°	75.7
155°	73.0
157.5°	70.2
160°	66.6
162.5°	62.9
165°	60.2
167.5°	55.6
170°	51.1
172.5°	46.5
175°	46.5
177.5°	45.6
180°	45.6

(END OF REPORT)