

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: P980586

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980586
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-HIGH-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

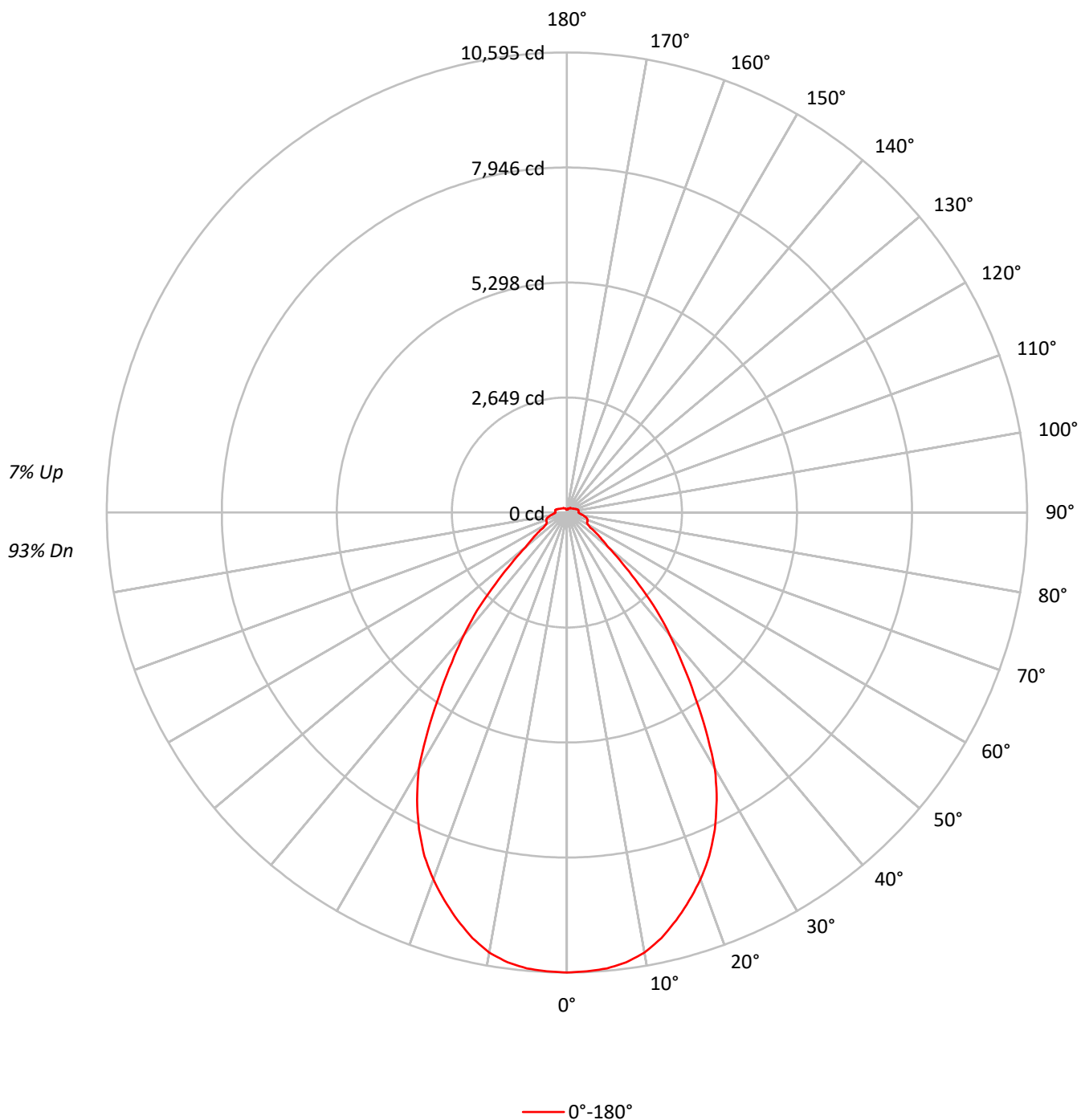
Lumens per Lamp: N/A
Luminaire Lumens: 15688.0 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 122
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 6.9
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°	85788
5°	82151
10°	77890
15°	72056
20°	65781
25°	58602
30°	49705
35°	37577
40°	27663
45°	17908
50°	9881
55°	6778
60°	4873
65°	4782
70°	5125
75°	5124
80°	4665
85°	4288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17908 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	998.3	6.4
10°-20°	2728.9	17.4
20°-30°	3673.2	23.4
30°-40°	3206.5	20.4
40°-50°	1828.8	11.7
50°-60°	747.8	4.8
60°-70°	515.8	3.3
70°-80°	480.7	3.1
80°-90°	338.6	2.2
90°-100°	294.8	1.9
100°-110°	270.0	1.7
110°-120°	198.0	1.3
120°-130°	143.3	0.9
130°-140°	107.2	0.7
140°-150°	76.3	0.5
150°-160°	48.7	0.3
160°-170°	24.5	0.2
170°-180°	6.5	0.0
0°-30°	7400.4	47.2
0°-40°	10606.9	67.6
0°-60°	13183.5	84.0
0°-90°	14518.6	92.5
90°-120°	762.8	4.9
90°-150°	1089.7	6.9
90°-180°	1169.0	7.5
0°-180°	15688.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10595	
5°	10540	998
15°	9723	2729
25°	8056	3673
35°	5104	3206
45°	2329	1829
55°	816	748
65°	512	516
75°	463	481
85°	304	264
90°	265	147
95°	270	222
105°	258	270
115°	198	198
125°	159	143
135°	138	107
145°	121	76
155°	105	49
165°	87	25
175°	67	7
180°	66	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10595.0
2.5°	10578.0
5°	10539.9
7.5°	10450.8
10°	10290.8
12.5°	10041.6
15°	9722.9
17.5°	9368.8
20°	8993.8
22.5°	8566.2
25°	8056.1
27.5°	7469.9
30°	6818.1
32.5°	5951.3
35°	5104.1
37.5°	4352.6
40°	3691.7
42.5°	3056.9
45°	2329.1
47.5°	1731.1
50°	1241.9
52.5°	1015.0
55°	815.7
57.5°	632.1
60°	556.0
62.5°	523.3
65°	511.5
67.5°	512.8
70°	507.5
72.5°	491.8
75°	462.9
77.5°	422.3
80°	377.7
82.5°	338.3
85°	304.3
87.5°	278.0
90°	264.9
92.5°	267.5
95°	270.2
97.5°	274.1
100°	272.8
102.5°	267.5
105°	258.4
107.5°	243.9
110°	228.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	212.5
115°	198.0
117.5°	184.9
120°	174.4
122.5°	166.6
125°	158.7
127.5°	152.1
130°	146.9
132.5°	142.9
135°	137.7
137.5°	133.8
140°	129.8
142.5°	125.9
145°	120.7
147.5°	116.7
150°	112.8
152.5°	108.8
155°	104.9
157.5°	101.0
160°	95.7
162.5°	90.5
165°	86.6
167.5°	80.0
170°	73.4
172.5°	66.9
175°	66.9
177.5°	65.6
180°	65.6

(END OF REPORT)