

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: P980594

Luminaire Tested: UHBS2-1218-N-L83065-HIGH-6500K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980594
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-6500K-FRR6
Description: UHBS2 LED High Bay at 6500K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

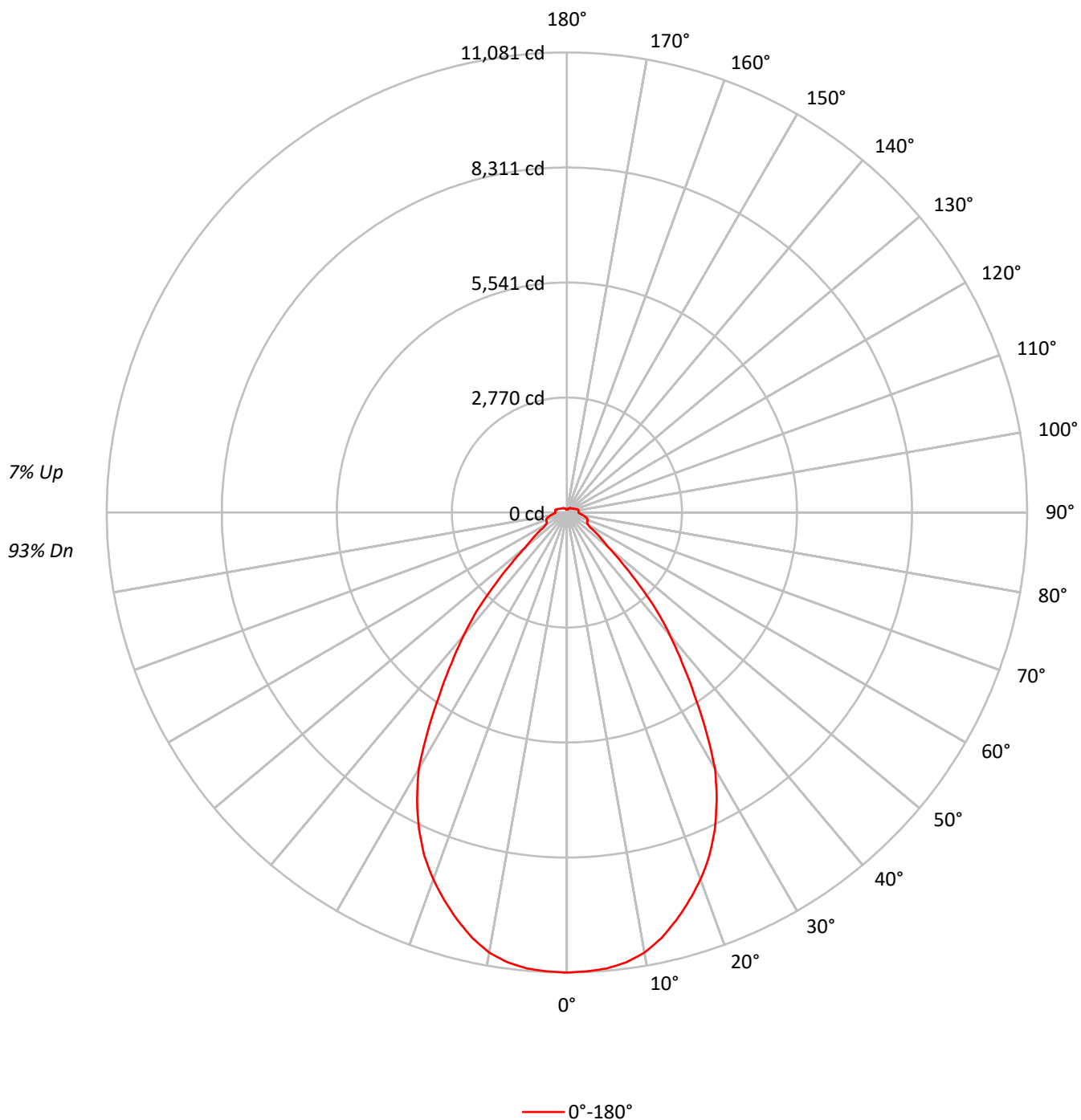
Lumens per Lamp: N/A
Luminaire Lumens: 16408.0 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 122.1
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
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°	89726
5°	85922
10°	81465
15°	75364
20°	68799
25°	61291
30°	51986
35°	39301
40°	28932
45°	18730
50°	10335
55°	7089
60°	5098
65°	5001
70°	5360
75°	5360
80°	4879
85°	4484

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18730 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1044.2	6.4
10°-20°	2854.2	17.4
20°-30°	3841.7	23.4
30°-40°	3353.6	20.4
40°-50°	1912.7	11.7
50°-60°	782.2	4.8
60°-70°	539.4	3.3
70°-80°	502.8	3.1
80°-90°	354.1	2.2
90°-100°	308.3	1.9
100°-110°	282.4	1.7
110°-120°	207.1	1.3
120°-130°	149.9	0.9
130°-140°	112.1	0.7
140°-150°	79.8	0.5
150°-160°	50.9	0.3
160°-170°	25.6	0.2
170°-180°	6.8	0.0
0°-30°	7740.0	47.2
0°-40°	11093.7	67.6
0°-60°	13788.5	84.0
0°-90°	15184.9	92.5
90°-120°	797.8	4.9
90°-150°	1139.7	6.9
90°-180°	1223.0	7.5
0°-180°	16408.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11081	
5°	11024	###
15°	10169	2854
25°	8426	3842
35°	5338	3354
45°	2436	1913
55°	853	782
65°	535	539
75°	484	503
85°	318	276
90°	277	154
95°	283	232
105°	270	282
115°	207	207
125°	166	150
135°	144	112
145°	126	80
155°	110	51
165°	90	26
175°	70	7
180°	69	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11081.3
2.5°	11063.5
5°	11023.7
7.5°	10930.4
10°	10763.1
12.5°	10502.5
15°	10169.2
17.5°	9798.8
20°	9406.5
22.5°	8959.4
25°	8425.8
27.5°	7812.7
30°	7131.0
32.5°	6224.4
35°	5338.3
37.5°	4552.4
40°	3861.1
42.5°	3197.2
45°	2436.0
47.5°	1810.5
50°	1298.9
52.5°	1061.6
55°	853.1
57.5°	661.1
60°	581.6
62.5°	547.3
65°	534.9
67.5°	536.3
70°	530.8
72.5°	514.4
75°	484.2
77.5°	441.7
80°	395.0
82.5°	353.9
85°	318.2
87.5°	290.8
90°	277.1
92.5°	279.8
95°	282.6
97.5°	286.7
100°	285.3
102.5°	279.8
105°	270.2
107.5°	255.1
110°	238.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	222.2
115°	207.1
117.5°	193.4
120°	182.4
122.5°	174.2
125°	166.0
127.5°	159.1
130°	153.6
132.5°	149.5
135°	144.0
137.5°	139.9
140°	135.8
142.5°	131.7
145°	126.2
147.5°	122.1
150°	118.0
152.5°	113.8
155°	109.7
157.5°	105.6
160°	100.1
162.5°	94.6
165°	90.5
167.5°	83.7
170°	76.8
172.5°	70.0
175°	70.0
177.5°	68.6
180°	68.6

(END OF REPORT)