

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: P980605

Luminaire Tested: UHBS2-1218-N-L83065-MID-3000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980605
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-N-L83065-MID-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

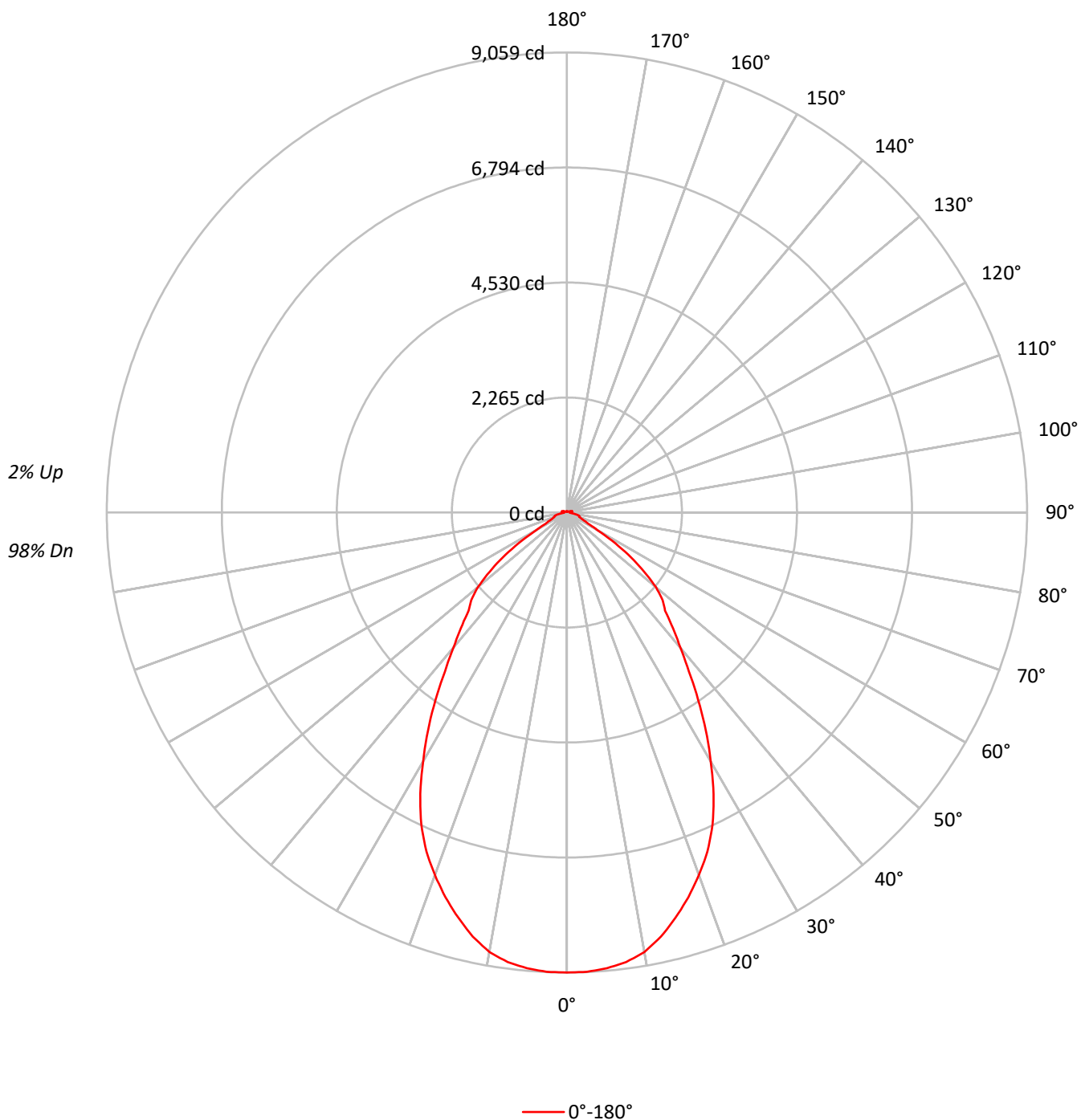
Lumens per Lamp: N/A
Luminaire Lumens: 13629.1 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	115	115	115	115	110	110	110	105	105	105	100	100	100				98
1	111	107	104	101	108	105	102	100	101	98	96	96	94	93	93	91	90				88
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80				78
3	97	88	82	77	94	87	81	76	84	79	74	81	76	73	78	75	72				70
4	90	80	73	68	88	79	73	67	76	71	66	74	69	65	72	68	64				62
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58				56
6	79	68	60	55	77	67	60	55	65	59	54	63	58	53	61	57	53				51
7	74	62	55	50	72	61	54	50	60	54	49	58	53	49	57	52	48				46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44				43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	44	41				39
10	62	50	43	39	60	49	43	38	48	42	38	47	42	38	46	41	38				36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91320
5°	89034
10°	85811
15°	80339
20°	74146
25°	66923
30°	56961
35°	46559
40°	37177
45°	30602
50°	27079
55°	19569
60°	9515
65°	5523
70°	4510
75°	4628
80°	3306
85°	1943

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30602 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	853.1	6.3
10°-20°	2318.2	17.0
20°-30°	3086.2	22.6
30°-40°	2816.9	20.7
40°-50°	2167.8	15.9
50°-60°	1351.1	9.9
60°-70°	398.9	2.9
70°-80°	239.2	1.8
80°-90°	87.2	0.6
90°-100°	77.2	0.6
100°-110°	100.7	0.7
110°-120°	49.8	0.4
120°-130°	26.3	0.2
130°-140°	20.0	0.1
140°-150°	16.1	0.1
150°-160°	11.7	0.1
160°-170°	6.5	0.0
170°-180°	2.0	0.0
0°-30°	6257.5	45.9
0°-40°	9074.5	66.6
0°-60°	12593.4	92.4
0°-90°	13318.7	97.7
90°-120°	227.8	1.7
90°-150°	290.3	2.1
90°-180°	310.0	2.3
0°-180°	13629.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9059	
5°	9009	853
15°	8261	2318
25°	6783	3086
35°	4507	2817
45°	2733	2168
55°	1548	1351
65°	367	399
75°	240	239
85°	69	73
90°	51	30
95°	68	62
105°	100	101
115°	48	50
125°	29	26
135°	26	20
145°	26	16
155°	26	12
165°	22	6
175°	20	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9059.0
2.5°	9052.3
5°	9008.8
7.5°	8929.6
10°	8786.8
12.5°	8556.9
15°	8261.3
17.5°	7945.5
20°	7598.5
22.5°	7230.3
25°	6782.8
27.5°	6252.8
30°	5664.8
32.5°	5091.3
35°	4506.6
37.5°	3944.3
40°	3472.3
42.5°	3089.6
45°	2732.6
47.5°	2556.3
50°	2288.5
52.5°	1915.8
55°	1547.6
57.5°	1129.2
60°	695.1
62.5°	466.4
65°	367.1
67.5°	302.4
70°	267.8
72.5°	256.6
75°	239.9
77.5°	203.1
80°	145.1
82.5°	97.1
85°	69.2
87.5°	55.8
90°	51.3
92.5°	56.9
95°	68.1
97.5°	83.7
100°	98.2
102.5°	104.9
105°	100.4
107.5°	89.3
110°	73.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	59.1
115°	48.0
117.5°	39.1
120°	33.5
122.5°	30.1
125°	29.0
127.5°	27.9
130°	26.8
132.5°	25.7
135°	25.7
137.5°	25.7
140°	25.7
142.5°	25.7
145°	25.7
147.5°	25.7
150°	25.7
152.5°	25.7
155°	25.7
157.5°	24.5
160°	24.5
162.5°	23.4
165°	22.3
167.5°	22.3
170°	21.2
172.5°	20.1
175°	20.1
177.5°	21.2
180°	21.2

(END OF REPORT)