

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: P980595

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980595
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-LOW-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

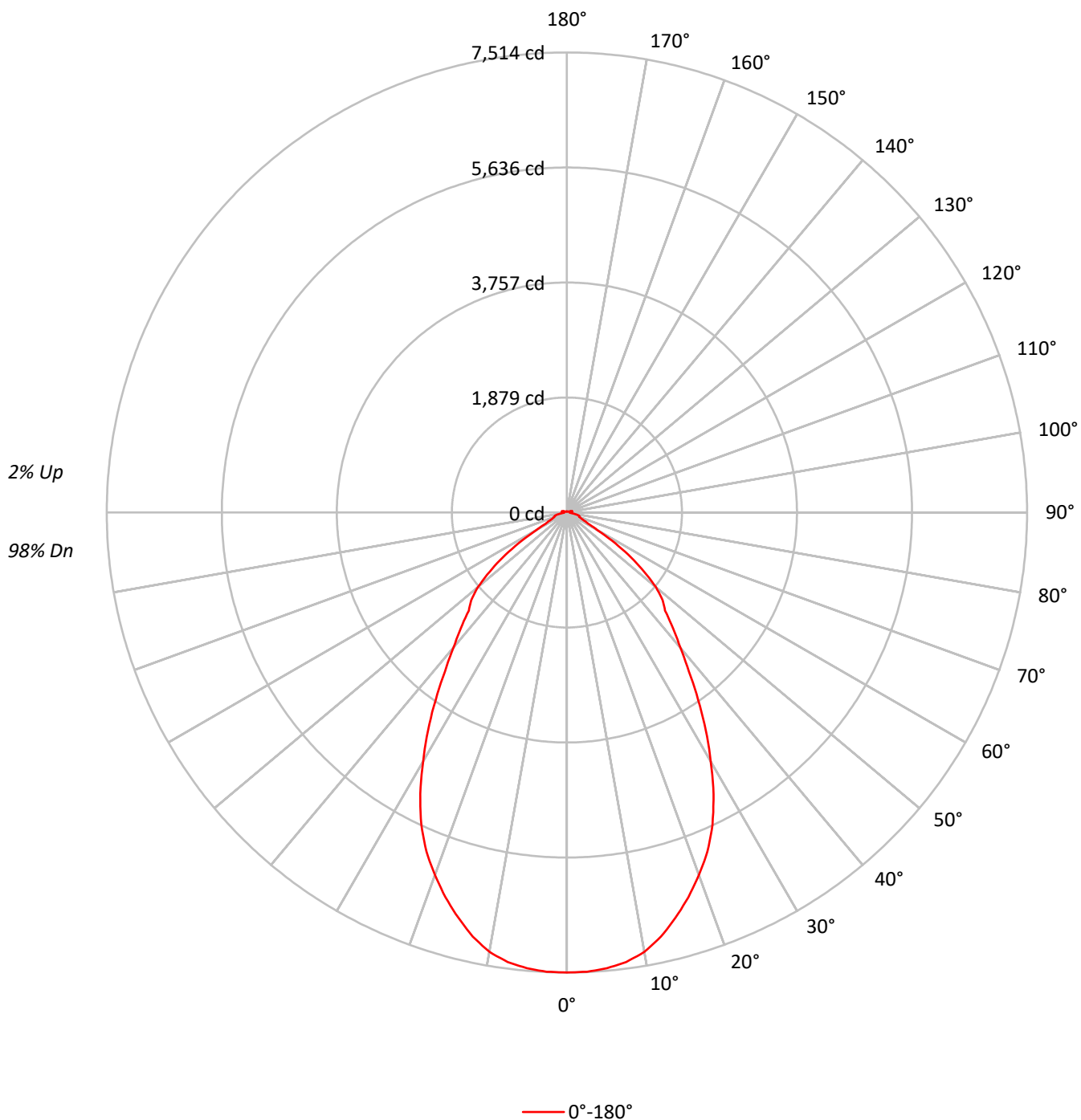
Lumens per Lamp: N/A
Luminaire Lumens: 11304.0 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 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	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°	75741
5°	73846
10°	71172
15°	66633
20°	61496
25°	55507
30°	47244
35°	38616
40°	30835
45°	25381
50°	22460
55°	16231
60°	7891
65°	4581
70°	3741
75°	3839
80°	2741
85°	1611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25381 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	707.6	6.3
10°-20°	1922.7	17.0
20°-30°	2559.7	22.6
30°-40°	2336.4	20.7
40°-50°	1798.0	15.9
50°-60°	1120.6	9.9
60°-70°	330.8	2.9
70°-80°	198.4	1.8
80°-90°	72.4	0.6
90°-100°	64.1	0.6
100°-110°	83.5	0.7
110°-120°	41.3	0.4
120°-130°	21.8	0.2
130°-140°	16.6	0.1
140°-150°	13.4	0.1
150°-160°	9.7	0.1
160°-170°	5.4	0.0
170°-180°	1.6	0.0
0°-30°	5190.0	45.9
0°-40°	7526.4	66.6
0°-60°	10445.0	92.4
0°-90°	11046.6	97.7
90°-120°	188.9	1.7
90°-150°	240.7	2.1
90°-180°	257.0	2.3
0°-180°	11304.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7514	
5°	7472	708
15°	6852	1923
25°	5626	2560
35°	3738	2336
45°	2266	1798
55°	1284	1121
65°	304	331
75°	199	198
85°	57	60
90°	43	24
95°	56	52
105°	83	84
115°	40	41
125°	24	22
135°	21	17
145°	21	13
155°	21	10
165°	18	5
175°	17	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7513.6
2.5°	7508.1
5°	7472.0
7.5°	7406.3
10°	7287.8
12.5°	7097.2
15°	6851.9
17.5°	6590.0
20°	6302.2
22.5°	5996.8
25°	5625.7
27.5°	5186.2
30°	4698.5
32.5°	4222.8
35°	3737.8
37.5°	3271.4
40°	2880.0
42.5°	2562.5
45°	2266.4
47.5°	2120.2
50°	1898.1
52.5°	1589.0
55°	1283.6
57.5°	936.5
60°	576.5
62.5°	386.8
65°	304.5
67.5°	250.8
70°	222.1
72.5°	212.9
75°	199.0
77.5°	168.4
80°	120.3
82.5°	80.5
85°	57.4
87.5°	46.3
90°	42.6
92.5°	47.2
95°	56.5
97.5°	69.4
100°	81.4
102.5°	87.0
105°	83.3
107.5°	74.0
110°	61.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	49.0
115°	39.8
117.5°	32.4
120°	27.8
122.5°	25.0
125°	24.1
127.5°	23.1
130°	22.2
132.5°	21.3
135°	21.3
137.5°	21.3
140°	21.3
142.5°	21.3
145°	21.3
147.5°	21.3
150°	21.3
152.5°	21.3
155°	21.3
157.5°	20.4
160°	20.4
162.5°	19.4
165°	18.5
167.5°	18.5
170°	17.6
172.5°	16.7
175°	16.7
177.5°	17.6
180°	17.6

(END OF REPORT)