

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: P1175775

Luminaire Tested: UHBS2-1218-M-L83065-LOW-5000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/26/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-1218-M-L83065-LOW-5000K-CLR6
Description: UHBS2 LED High Bay at 5000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

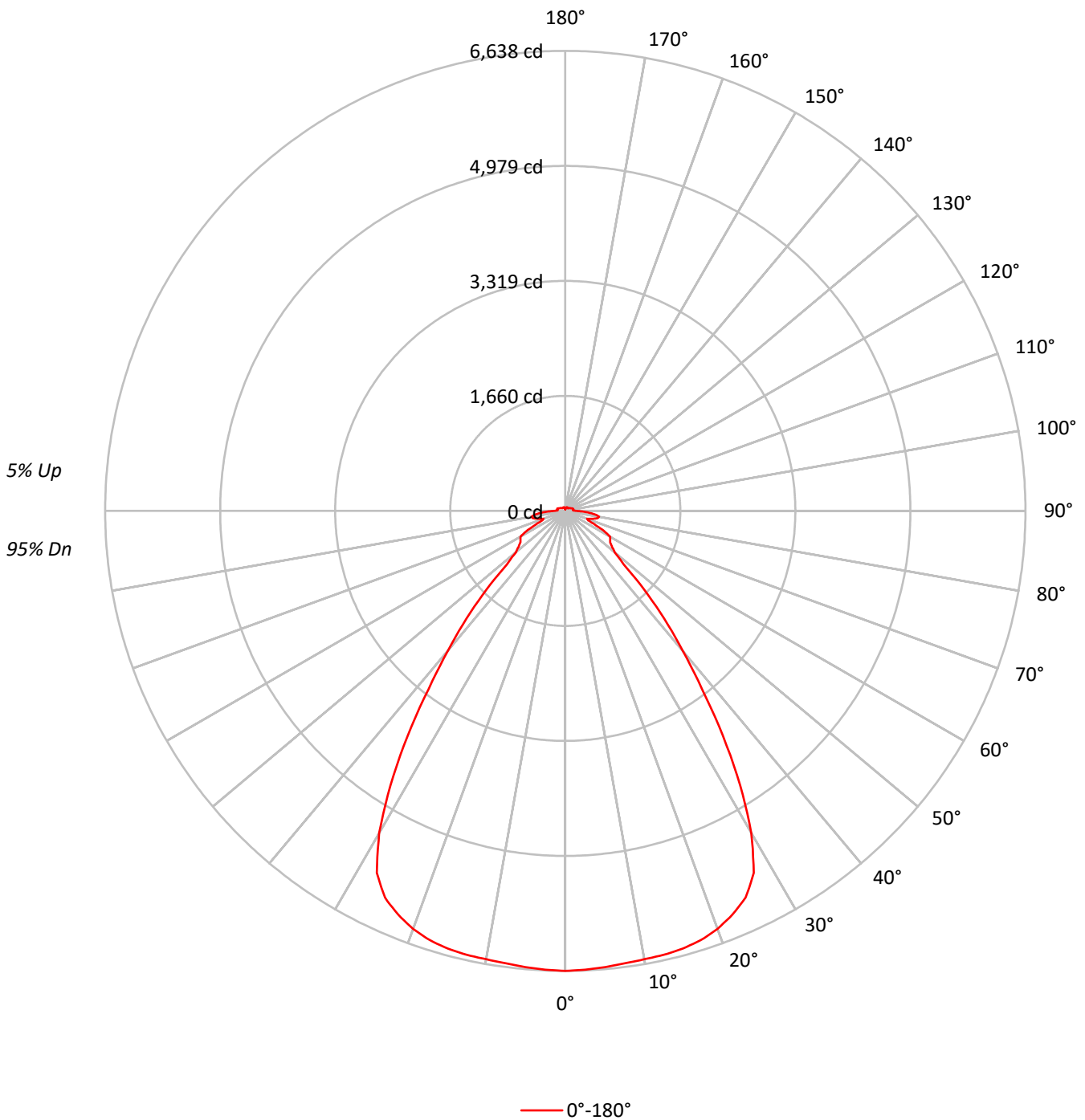
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11585.0 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Vertical Cylinder (Dia: 1.3' x H: 0.5')
CIE Type: Direct

Input Watts (W): 79
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				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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	95
1	109	105	101	98	106	102	99	96	97	95	92	93	90	88	88	87	85	88	87	85	83
2	101	94	89	84	99	92	87	83	88	84	80	84	81	78	81	78	75	81	78	75	73
3	94	86	79	73	92	84	78	73	80	75	71	77	73	69	74	70	67	74	70	67	65
4	88	78	71	65	86	77	70	64	74	68	63	71	66	62	68	64	61	68	64	61	59
5	82	72	64	58	80	70	63	58	68	62	57	65	60	56	63	59	55	63	59	55	53
6	77	66	58	53	75	65	58	52	63	56	52	61	55	51	59	54	50	59	54	50	48
7	72	61	53	48	71	60	53	48	58	52	47	56	51	47	55	50	46	55	50	46	44
8	68	56	49	44	66	56	49	44	54	48	43	52	47	43	51	46	42	51	46	42	41
9	64	52	45	40	63	52	45	40	50	44	40	49	43	39	48	43	39	48	43	39	37
10	61	49	42	37	59	48	42	37	47	41	37	46	40	37	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53744
5°	51498
10°	49729
15°	48467
20°	46952
25°	44787
30°	39135
35°	29186
40°	19718
45°	12346
50°	7414
55°	6561
60°	6539
65°	4414
70°	3379
75°	4785
80°	6100
85°	5222

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12346 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	629.4	5.4
10°-20°	1847.0	15.9
20°-30°	2792.3	24.1
30°-40°	2462.3	21.3
40°-50°	1266.4	10.9
50°-60°	726.5	6.3
60°-70°	495.0	4.3
70°-80°	451.0	3.9
80°-90°	385.1	3.3
90°-100°	132.1	1.1
100°-110°	122.4	1.1
110°-120°	91.4	0.8
120°-130°	63.6	0.5
130°-140°	43.5	0.4
140°-150°	34.2	0.3
150°-160°	26.5	0.2
160°-170°	13.4	0.1
170°-180°	3.1	0.0
0°-30°	5268.6	45.5
0°-40°	7730.9	66.7
0°-60°	9723.8	83.9
0°-90°	11054.9	95.4
90°-120°	345.9	3.0
90°-150°	487.2	4.2
90°-180°	530.0	4.6
0°-180°	11585.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6638	
5°	6607	629
15°	6540	1847
25°	6157	2792
35°	3964	2462
45°	1606	1266
55°	790	726
65°	472	495
75°	432	451
85°	371	327
90°	164	97
95°	110	93
105°	118	122
115°	91	91
125°	71	64
135°	55	43
145°	54	34
155°	58	26
165°	46	13
175°	29	3
180°	25	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6637.5
2.5°	6627.1
5°	6607.2
7.5°	6582.5
10°	6570.2
12.5°	6561.7
15°	6539.9
17.5°	6495.3
20°	6419.5
22.5°	6303.8
25°	6156.9
27.5°	5888.6
30°	5368.2
32.5°	4697.1
35°	3964.3
37.5°	3236.3
40°	2631.5
42.5°	2108.2
45°	1605.8
47.5°	1143.2
50°	931.8
52.5°	849.4
55°	789.6
57.5°	767.8
60°	746.0
62.5°	637.0
65°	472.1
67.5°	357.4
70°	334.6
72.5°	373.5
75°	432.3
77.5°	482.5
80°	493.9
82.5°	455.0
85°	370.6
87.5°	258.8
90°	164.0
92.5°	122.3
95°	110.0
97.5°	111.9
100°	115.6
102.5°	119.4
105°	118.5
107.5°	113.8
110°	106.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	98.6
115°	91.0
117.5°	85.3
120°	79.6
122.5°	75.8
125°	71.1
127.5°	65.4
130°	61.6
132.5°	57.8
135°	55.0
137.5°	54.0
140°	53.1
142.5°	54.0
145°	54.0
147.5°	55.0
150°	56.9
152.5°	57.8
155°	57.8
157.5°	56.9
160°	55.0
162.5°	51.2
165°	46.4
167.5°	41.7
170°	37.0
172.5°	33.2
175°	29.4
177.5°	26.5
180°	24.6

(END OF REPORT)