

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: P1175776

Luminaire Tested: UHBS2-1218-M-L83065-LOW-6500K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175776
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-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

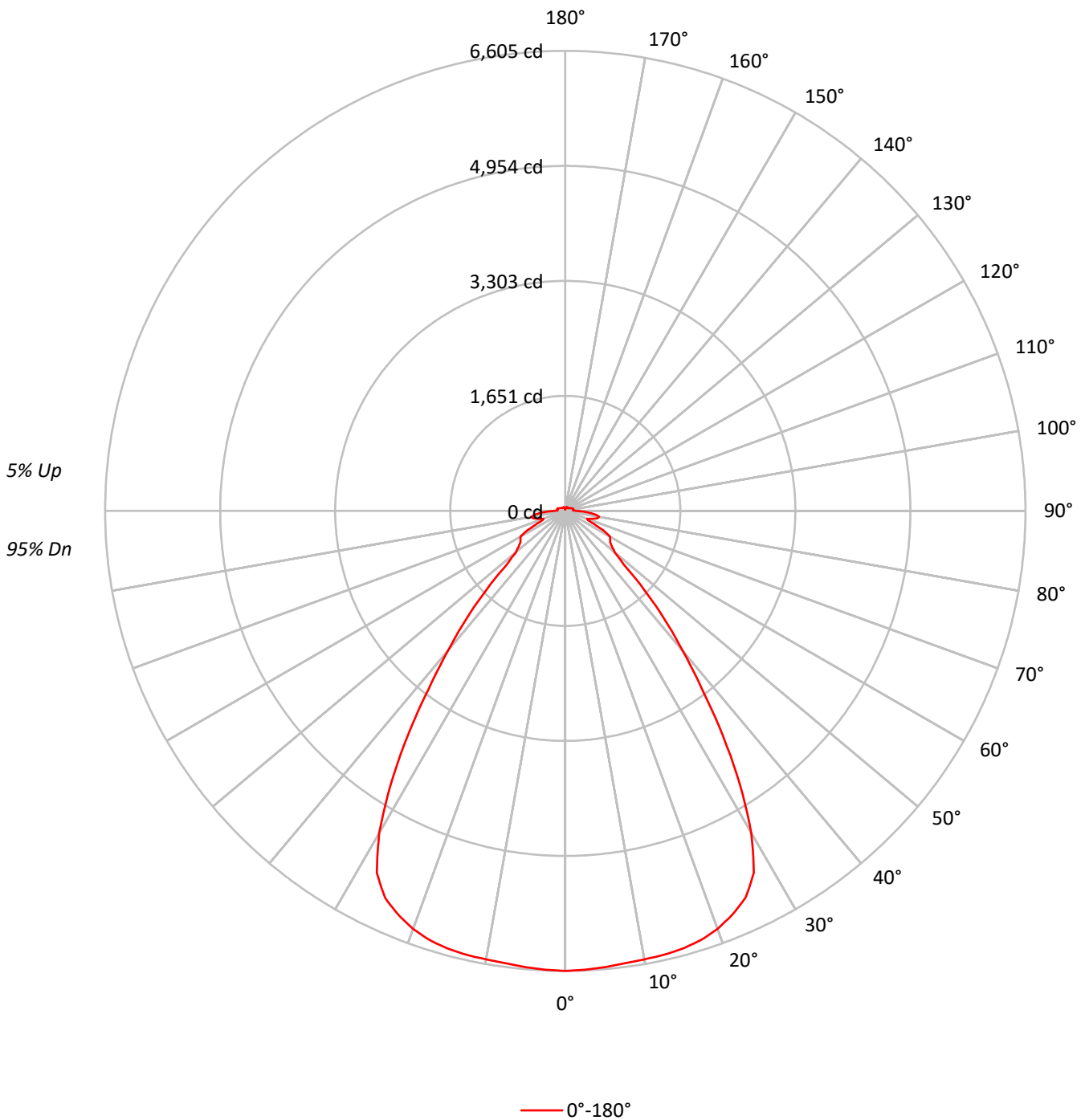
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11528.0 lumens
Efficiency: N/A
Efficacy: 143.4 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): 80.4
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°	53480
5°	51245
10°	49485
15°	48228
20°	46721
25°	44566
30°	38942
35°	29042
40°	19621
45°	12286
50°	7377
55°	6530
60°	6507
65°	4392
70°	3363
75°	4761
80°	6070
85°	5197

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12286 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	626.3	5.4
10°-20°	1837.9	15.9
20°-30°	2778.6	24.1
30°-40°	2450.2	21.3
40°-50°	1260.2	10.9
50°-60°	722.9	6.3
60°-70°	492.6	4.3
70°-80°	448.8	3.9
80°-90°	383.2	3.3
90°-100°	131.4	1.1
100°-110°	121.8	1.1
110°-120°	91.0	0.8
120°-130°	63.3	0.5
130°-140°	43.3	0.4
140°-150°	34.0	0.3
150°-160°	26.3	0.2
160°-170°	13.3	0.1
170°-180°	3.0	0.0
0°-30°	5242.7	45.5
0°-40°	7692.9	66.7
0°-60°	9676.0	83.9
0°-90°	11000.5	95.4
90°-120°	344.2	3.0
90°-150°	484.8	4.2
90°-180°	527.0	4.6
0°-180°	11528.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6605	
5°	6575	626
15°	6508	1838
25°	6127	2779
35°	3945	2450
45°	1598	1260
55°	786	723
65°	470	493
75°	430	449
85°	369	326
90°	163	97
95°	109	92
105°	118	122
115°	91	91
125°	71	63
135°	55	43
145°	54	34
155°	58	26
165°	46	13
175°	29	3
180°	24	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6604.9
2.5°	6594.5
5°	6574.7
7.5°	6550.1
10°	6537.9
12.5°	6529.4
15°	6507.7
17.5°	6463.4
20°	6387.9
22.5°	6272.8
25°	6126.6
27.5°	5859.7
30°	5341.8
32.5°	4674.0
35°	3944.8
37.5°	3220.4
40°	2618.5
42.5°	2097.9
45°	1597.9
47.5°	1137.6
50°	927.2
52.5°	845.2
55°	785.8
57.5°	764.1
60°	742.4
62.5°	633.9
65°	469.8
67.5°	355.6
70°	333.0
72.5°	371.7
75°	430.1
77.5°	480.1
80°	491.4
82.5°	452.8
85°	368.8
87.5°	257.5
90°	163.2
92.5°	121.7
95°	109.4
97.5°	111.3
100°	115.1
102.5°	118.9
105°	117.9
107.5°	113.2
110°	105.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	98.1
115°	90.6
117.5°	84.9
120°	79.2
122.5°	75.5
125°	70.7
127.5°	65.1
130°	61.3
132.5°	57.5
135°	54.7
137.5°	53.8
140°	52.8
142.5°	53.8
145°	53.8
147.5°	54.7
150°	56.6
152.5°	57.5
155°	57.5
157.5°	56.6
160°	54.7
162.5°	50.9
165°	46.2
167.5°	41.5
170°	36.8
172.5°	33.0
175°	29.2
177.5°	26.4
180°	24.5

(END OF REPORT)