

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: P1175774

Luminaire Tested: UHBS2-1218-M-L83065-LOW-4000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175774
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-4000K-CLR6
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

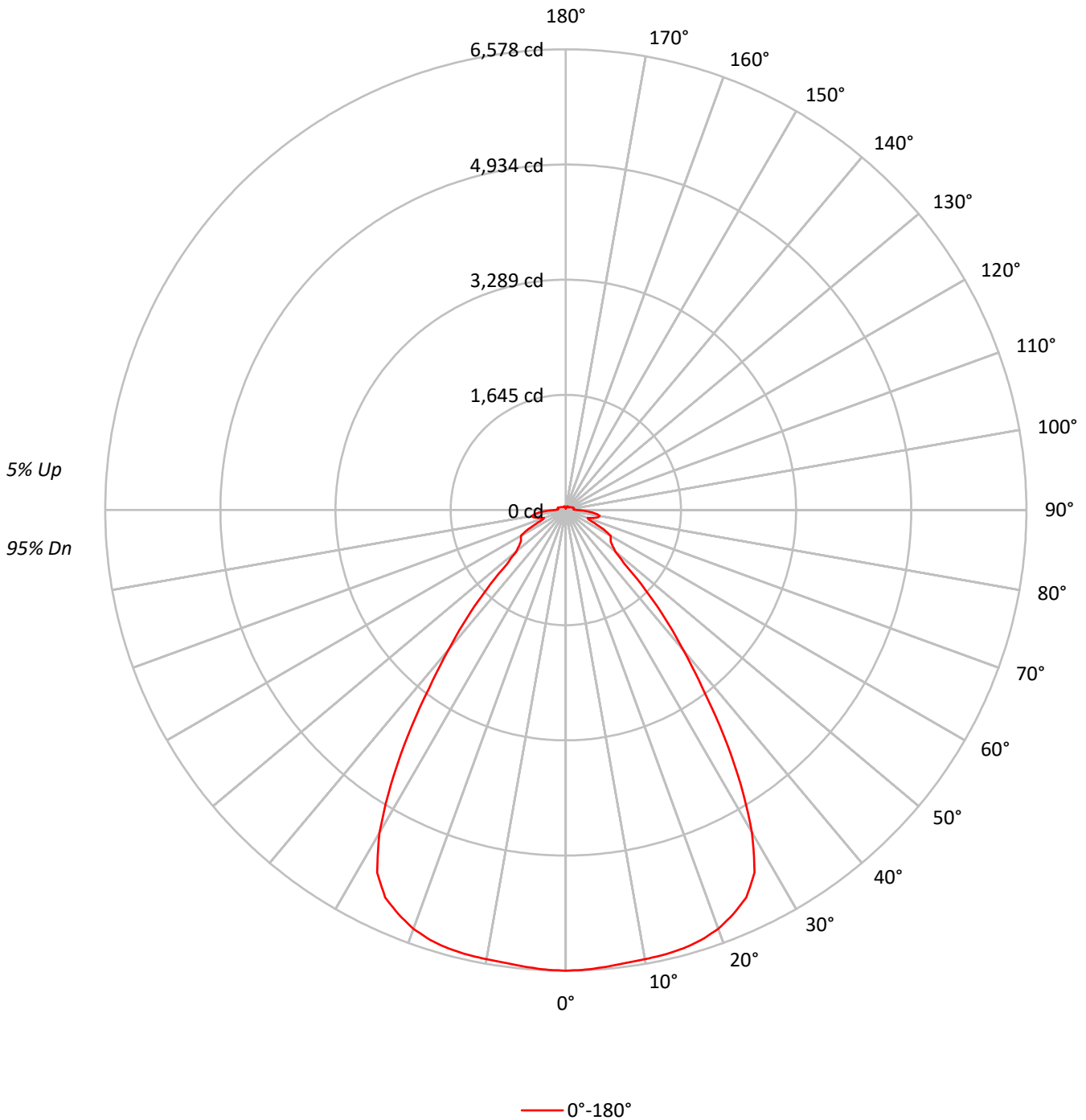
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11482.0 lumens
Efficiency: N/A
Efficacy: 146.1 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): 78.6
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°	53266
5°	51040
10°	49287
15°	48036
20°	46535
25°	44389
30°	38787
35°	28927
40°	19543
45°	12236
50°	7348
55°	6503
60°	6481
65°	4374
70°	3349
75°	4742
80°	6046
85°	5177

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12236 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	623.8	5.4
10°-20°	1830.5	15.9
20°-30°	2767.5	24.1
30°-40°	2440.4	21.3
40°-50°	1255.1	10.9
50°-60°	720.0	6.3
60°-70°	490.6	4.3
70°-80°	447.0	3.9
80°-90°	381.7	3.3
90°-100°	130.9	1.1
100°-110°	121.3	1.1
110°-120°	90.6	0.8
120°-130°	63.1	0.5
130°-140°	43.1	0.4
140°-150°	33.9	0.3
150°-160°	26.2	0.2
160°-170°	13.3	0.1
170°-180°	3.0	0.0
0°-30°	5221.8	45.5
0°-40°	7662.2	66.7
0°-60°	9637.4	83.9
0°-90°	10956.6	95.4
90°-120°	342.8	3.0
90°-150°	482.9	4.2
90°-180°	525.0	4.6
0°-180°	11482.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6578	
5°	6548	624
15°	6482	1831
25°	6102	2768
35°	3929	2440
45°	1592	1255
55°	783	720
65°	468	491
75°	428	447
85°	367	324
90°	162	96
95°	109	92
105°	117	121
115°	90	91
125°	70	63
135°	54	43
145°	54	34
155°	57	26
165°	46	13
175°	29	3
180°	24	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6578.5
2.5°	6568.2
5°	6548.4
7.5°	6524.0
10°	6511.8
12.5°	6503.3
15°	6481.7
17.5°	6437.6
20°	6362.4
22.5°	6247.8
25°	6102.2
27.5°	5836.3
30°	5320.5
32.5°	4655.3
35°	3929.1
37.5°	3207.5
40°	2608.1
42.5°	2089.5
45°	1591.5
47.5°	1133.1
50°	923.5
52.5°	841.8
55°	782.6
57.5°	761.0
60°	739.4
62.5°	631.4
65°	467.9
67.5°	354.2
70°	331.6
72.5°	370.2
75°	428.4
77.5°	478.2
80°	489.5
82.5°	451.0
85°	367.4
87.5°	256.5
90°	162.5
92.5°	121.2
95°	109.0
97.5°	110.9
100°	114.6
102.5°	118.4
105°	117.4
107.5°	112.7
110°	105.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	97.7
115°	90.2
117.5°	84.6
120°	78.9
122.5°	75.2
125°	70.5
127.5°	64.8
130°	61.1
132.5°	57.3
135°	54.5
137.5°	53.6
140°	52.6
142.5°	53.6
145°	53.6
147.5°	54.5
150°	56.4
152.5°	57.3
155°	57.3
157.5°	56.4
160°	54.5
162.5°	50.7
165°	46.0
167.5°	41.3
170°	36.6
172.5°	32.9
175°	29.1
177.5°	26.3
180°	24.4

(END OF REPORT)