

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: P1175825

Luminaire Tested: UHBS2-2436-M-L83065-MID-6500K-CLR6

Issue Date: 8/26/2025

**Test Information**

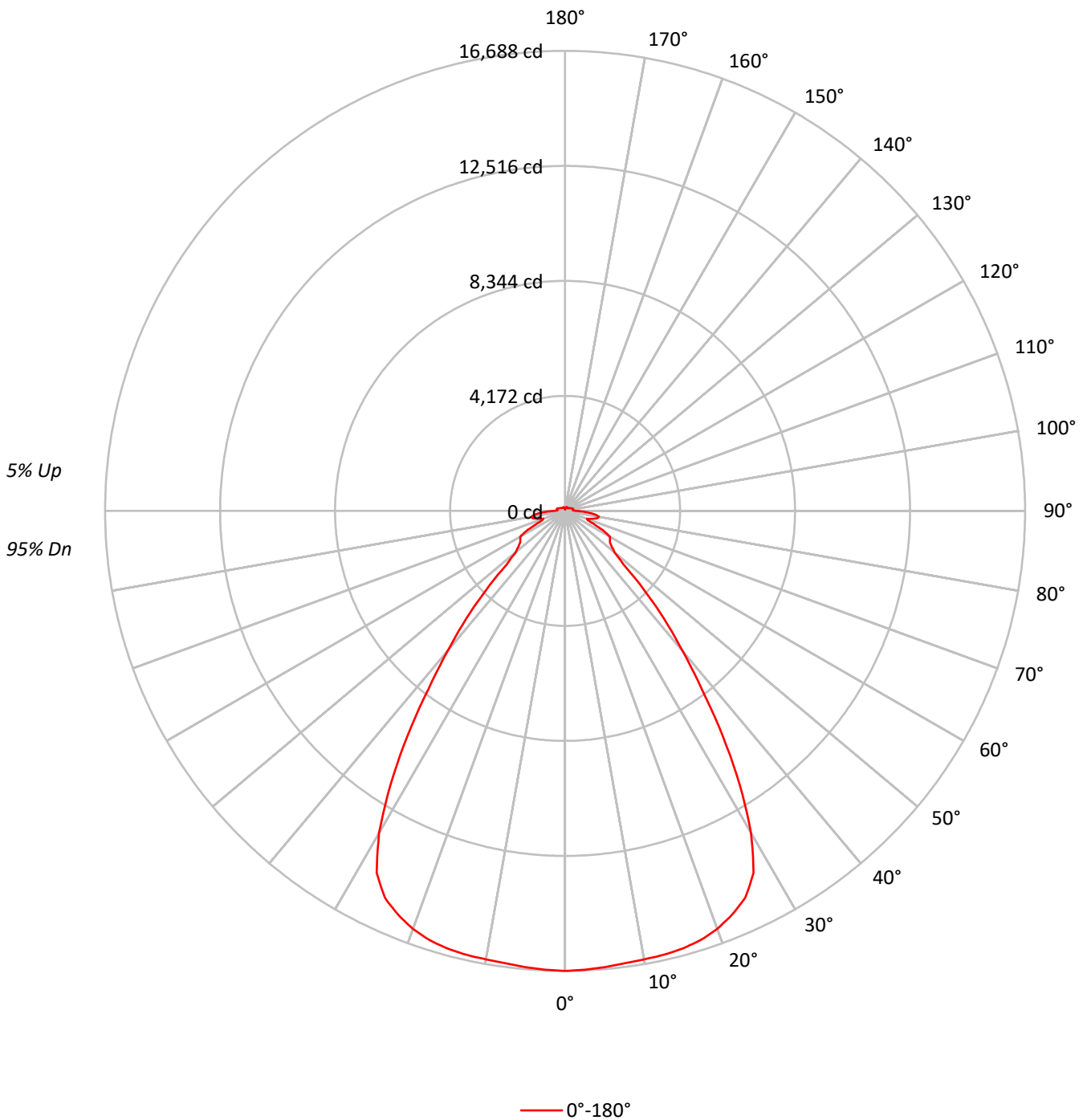
Test Method: LM-79-2019  
Report Number: P1175825  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2505-439-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/26/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: UHBS2-2436-M-L83065-MID-6500K-CLR6  
Description: UHBS2 LED High Bay at 6500K and MID lumen setting 6in Deep Clear Refractor  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29126.0 lumens  
Efficiency: N/A  
Efficacy: 149.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')  
CIE Type: Direct  
  
Input Watts (W): 195  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.998  
Total Harmonic Distortion (THDi): 5.15  
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	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°	105549
5°	101623
10°	98573
15°	96484
20°	93859
25°	89898
30°	78876
35°	59070
40°	40081
45°	25210
50°	15212
55°	13533
60°	13565
65°	9216
70°	7110
75°	10160
80°	13099
85°	11378

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25210 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1582.3	5.4
10°-20°	4643.5	15.9
20°-30°	7020.2	24.1
30°-40°	6190.5	21.3
40°-50°	3183.9	10.9
50°-60°	1826.4	6.3
60°-70°	1244.5	4.3
70°-80°	1133.9	3.9
80°-90°	968.1	3.3
90°-100°	332.0	1.1
100°-110°	307.7	1.1
110°-120°	229.9	0.8
120°-130°	160.0	0.5
130°-140°	109.3	0.4
140°-150°	86.0	0.3
150°-160°	66.5	0.2
160°-170°	33.7	0.1
170°-180°	7.7	0.0
0°-30°	13246.0	45.5
0°-40°	19436.5	66.7
0°-60°	24446.8	83.9
0°-90°	27793.3	95.4
90°-120°	869.6	3.0
90°-150°	1224.8	4.2
90°-180°	1333.0	4.6
0°-180°	29126.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16688	
5°	16611	###
15°	16442	4643
25°	15479	7020
35°	9967	6190
45°	4037	3184
55°	1985	1826
65°	1187	1245
75°	1087	1134
85°	932	822
90°	412	244
95°	276	233
105°	298	308
115°	229	230
125°	179	160
135°	138	109
145°	136	86
155°	145	67
165°	117	34
175°	74	8
180°	62	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	16687.5
2.5°	16661.2
5°	16611.2
7.5°	16549.2
10°	16518.2
12.5°	16496.8
15°	16442.0
17.5°	16330.0
20°	16139.3
22.5°	15848.6
25°	15479.2
27.5°	14804.7
30°	13496.3
32.5°	11809.0
35°	9966.7
37.5°	8136.4
40°	6615.9
42.5°	5300.3
45°	4037.2
47.5°	2874.2
50°	2342.7
52.5°	2135.4
55°	1985.2
57.5°	1930.4
60°	1875.6
62.5°	1601.5
65°	1186.9
67.5°	898.5
70°	841.3
72.5°	939.0
75°	1086.8
77.5°	1213.1
80°	1241.7
82.5°	1144.0
85°	931.8
87.5°	650.6
90°	412.3
92.5°	307.4
95°	276.5
97.5°	281.2
100°	290.8
102.5°	300.3
105°	297.9
107.5°	286.0
110°	266.9



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	247.9
115°	228.8
117.5°	214.5
120°	200.2
122.5°	190.7
125°	178.7
127.5°	164.4
130°	154.9
132.5°	145.4
135°	138.2
137.5°	135.8
140°	133.5
142.5°	135.8
145°	135.8
147.5°	138.2
150°	143.0
152.5°	145.4
155°	145.4
157.5°	143.0
160°	138.2
162.5°	128.7
165°	116.8
167.5°	104.9
170°	92.9
172.5°	83.4
175°	73.9
177.5°	66.7
180°	62.0

(END OF REPORT)