

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: P1175766

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

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175766
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-W-L83065-MID-6500K-CLR6
Description: UHBS2 LED High Bay at 6500K and MID lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

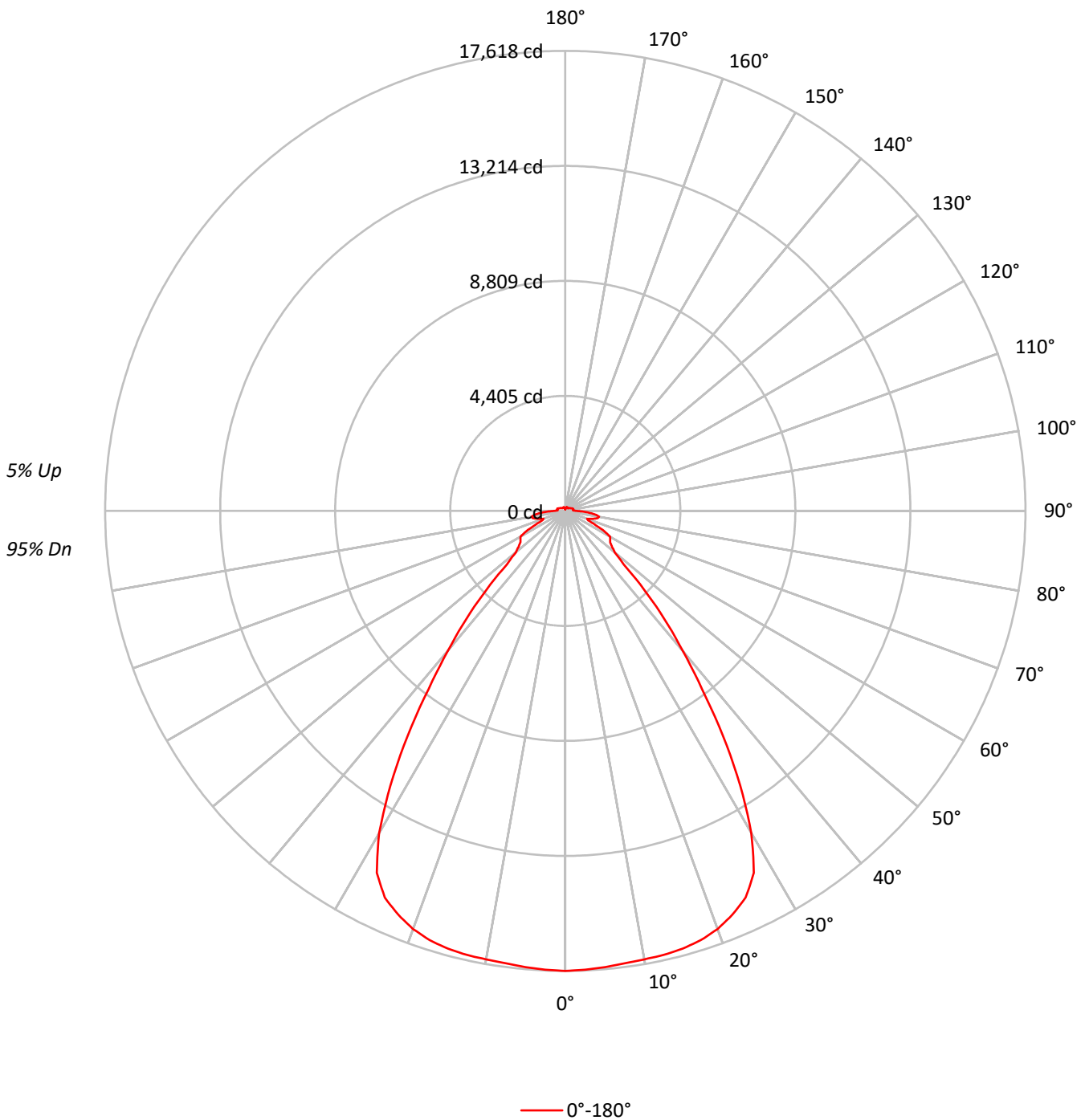
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30751.0 lumens
Efficiency: N/A
Efficacy: 157.7 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°	111438
5°	107293
10°	104073
15°	101867
20°	99096
25°	94914
30°	83277
35°	62365
40°	42317
45°	26617
50°	16061
55°	14288
60°	14322
65°	9730
70°	7506
75°	10727
80°	13829
85°	12013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26617 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1670.6	5.4
10°-20°	4902.6	15.9
20°-30°	7411.9	24.1
30°-40°	6535.9	21.3
40°-50°	3361.5	10.9
50°-60°	1928.3	6.3
60°-70°	1313.9	4.3
70°-80°	1197.1	3.9
80°-90°	1022.1	3.3
90°-100°	350.5	1.1
100°-110°	324.8	1.1
110°-120°	242.7	0.8
120°-130°	168.9	0.5
130°-140°	115.4	0.4
140°-150°	90.8	0.3
150°-160°	70.2	0.2
160°-170°	35.6	0.1
170°-180°	8.1	0.0
0°-30°	13985.0	45.5
0°-40°	20520.9	66.7
0°-60°	25810.7	83.9
0°-90°	29343.9	95.4
90°-120°	918.1	3.0
90°-150°	1293.2	4.2
90°-180°	1407.0	4.6
0°-180°	30751.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17618	
5°	17538	###
15°	17359	4903
25°	16343	7412
35°	10523	6536
45°	4262	3362
55°	2096	1928
65°	1253	1314
75°	1147	1197
85°	984	868
90°	435	258
95°	292	246
105°	314	325
115°	242	243
125°	189	169
135°	146	115
145°	143	91
155°	154	70
165°	123	36
175°	78	8
180°	65	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17618.5
2.5°	17590.8
5°	17538.0
7.5°	17472.5
10°	17439.8
12.5°	17417.2
15°	17359.3
17.5°	17241.1
20°	17039.8
22.5°	16732.8
25°	16342.8
27.5°	15630.7
30°	14249.3
32.5°	12467.8
35°	10522.8
37.5°	8590.3
40°	6985.0
42.5°	5596.0
45°	4262.5
47.5°	3034.5
50°	2473.4
52.5°	2254.5
55°	2096.0
57.5°	2038.1
60°	1980.3
62.5°	1690.9
65°	1253.1
67.5°	948.6
70°	888.2
72.5°	991.4
75°	1147.4
77.5°	1280.7
80°	1310.9
82.5°	1207.8
85°	983.8
87.5°	686.9
90°	435.3
92.5°	324.6
95°	291.9
97.5°	296.9
100°	307.0
102.5°	317.0
105°	314.5
107.5°	301.9
110°	281.8



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	261.7
115°	241.6
117.5°	226.5
120°	211.4
122.5°	201.3
125°	188.7
127.5°	173.6
130°	163.6
132.5°	153.5
135°	145.9
137.5°	143.4
140°	140.9
142.5°	143.4
145°	143.4
147.5°	145.9
150°	151.0
152.5°	153.5
155°	153.5
157.5°	151.0
160°	145.9
162.5°	135.9
165°	123.3
167.5°	110.7
170°	98.1
172.5°	88.1
175°	78.0
177.5°	70.5
180°	65.4

(END OF REPORT)