

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: P1175815

Luminaire Tested: UHBS2-2436-M-L83065-HIGH-5000K-CLR6

Issue Date: 8/26/2025

Test Information

Test Method: LM-79-2019
Report Number: P1175815
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-HIGH-5000K-CLR6
Description: UHBS2 LED High Bay at 5000K and HIGH lumen setting 6in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

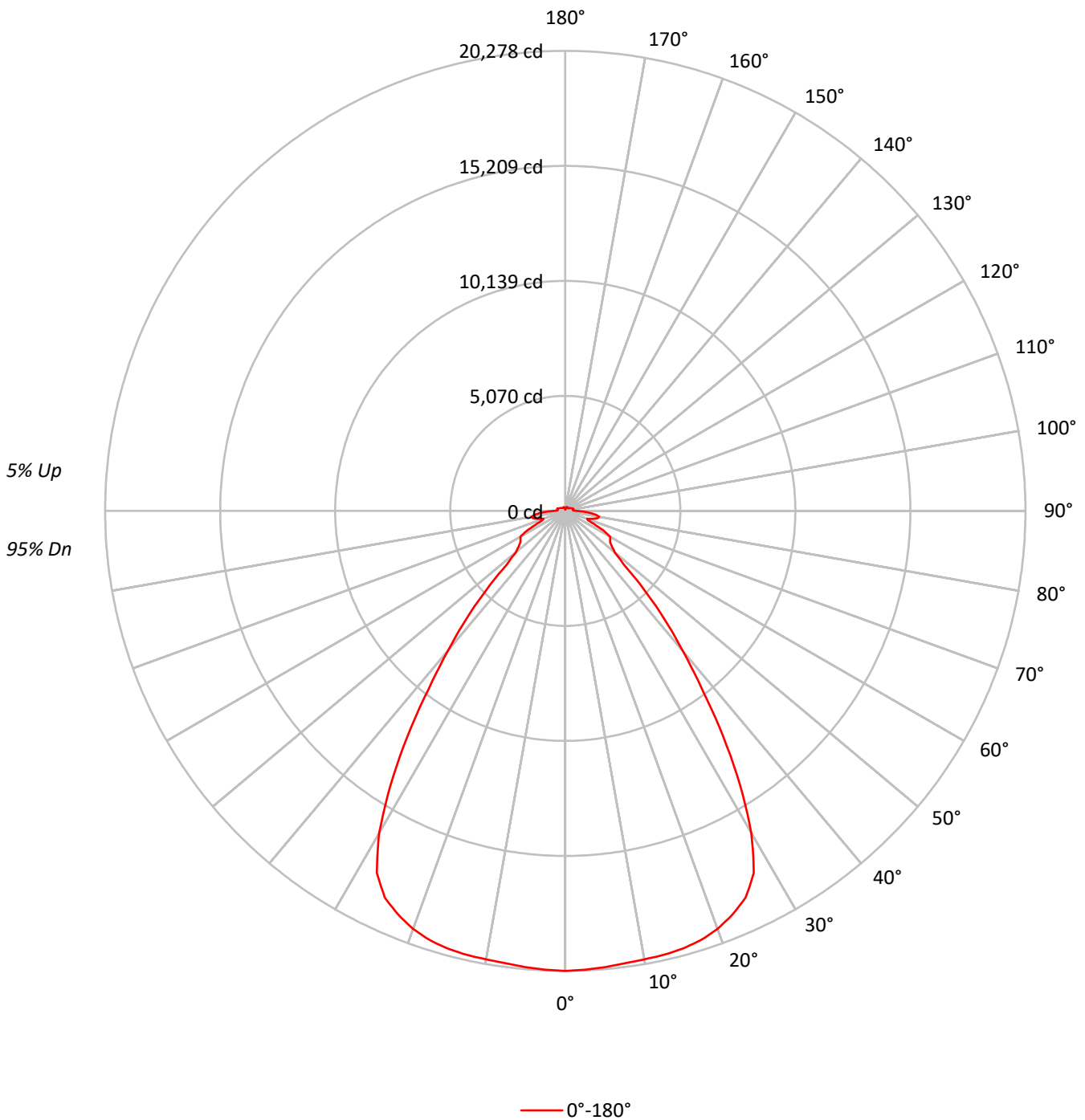
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35393.0 lumens
Efficiency: N/A
Efficacy: 151.6 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): 233.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.999
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°	128260
5°	123489
10°	119784
15°	117245
20°	114055
25°	109241
30°	95848
35°	71779
40°	48705
45°	30634
50°	18485
55°	16445
60°	16484
65°	11198
70°	8640
75°	12346
80°	15917
85°	13827

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 30634 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1922.8	5.4
10°-20°	5642.6	15.9
20°-30°	8530.8	24.1
30°-40°	7522.5	21.3
40°-50°	3869.0	10.9
50°-60°	2219.4	6.3
60°-70°	1512.3	4.3
70°-80°	1377.8	3.9
80°-90°	1176.4	3.3
90°-100°	403.4	1.1
100°-110°	373.9	1.1
110°-120°	279.3	0.8
120°-130°	194.4	0.5
130°-140°	132.9	0.4
140°-150°	104.5	0.3
150°-160°	80.9	0.2
160°-170°	40.9	0.1
170°-180°	9.3	0.0
0°-30°	16096.1	45.5
0°-40°	23618.6	66.7
0°-60°	29707.0	83.9
0°-90°	33773.5	95.4
90°-120°	1056.6	3.0
90°-150°	1488.4	4.2
90°-180°	1620.0	4.6
0°-180°	35393.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20278	
5°	20185	###
15°	19980	5643
25°	18810	8531
35°	12111	7522
45°	4906	3869
55°	2412	2219
65°	1442	1512
75°	1321	1378
85°	1132	999
90°	501	297
95°	336	284
105°	362	374
115°	278	279
125°	217	194
135°	168	133
145°	165	105
155°	177	81
165°	142	41
175°	90	9
180°	75	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20278.1
2.5°	20246.2
5°	20185.4
7.5°	20110.1
10°	20072.5
12.5°	20046.4
15°	19979.8
17.5°	19843.7
20°	19612.0
22.5°	19258.7
25°	18809.8
27.5°	17990.2
30°	16400.3
32.5°	14349.9
35°	12111.2
37.5°	9887.1
40°	8039.4
42.5°	6440.8
45°	4905.9
47.5°	3492.6
50°	2846.8
52.5°	2594.9
55°	2412.4
57.5°	2345.8
60°	2279.2
62.5°	1946.1
65°	1442.2
67.5°	1091.8
70°	1022.3
72.5°	1141.0
75°	1320.6
77.5°	1474.1
80°	1508.8
82.5°	1390.1
85°	1132.4
87.5°	790.6
90°	501.0
92.5°	373.6
95°	335.9
97.5°	341.7
100°	353.3
102.5°	364.9
105°	362.0
107.5°	347.5
110°	324.4



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	301.2
115°	278.0
117.5°	260.6
120°	243.3
122.5°	231.7
125°	217.2
127.5°	199.8
130°	188.2
132.5°	176.7
135°	168.0
137.5°	165.1
140°	162.2
142.5°	165.1
145°	165.1
147.5°	168.0
150°	173.8
152.5°	176.7
155°	176.7
157.5°	173.8
160°	168.0
162.5°	156.4
165°	141.9
167.5°	127.4
170°	112.9
172.5°	101.4
175°	89.8
177.5°	81.1
180°	75.3

(END OF REPORT)