

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: P980709

Luminaire Tested: UHBS2-2436-N-L83065-HIGH-4000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-N-L83065-HIGH-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

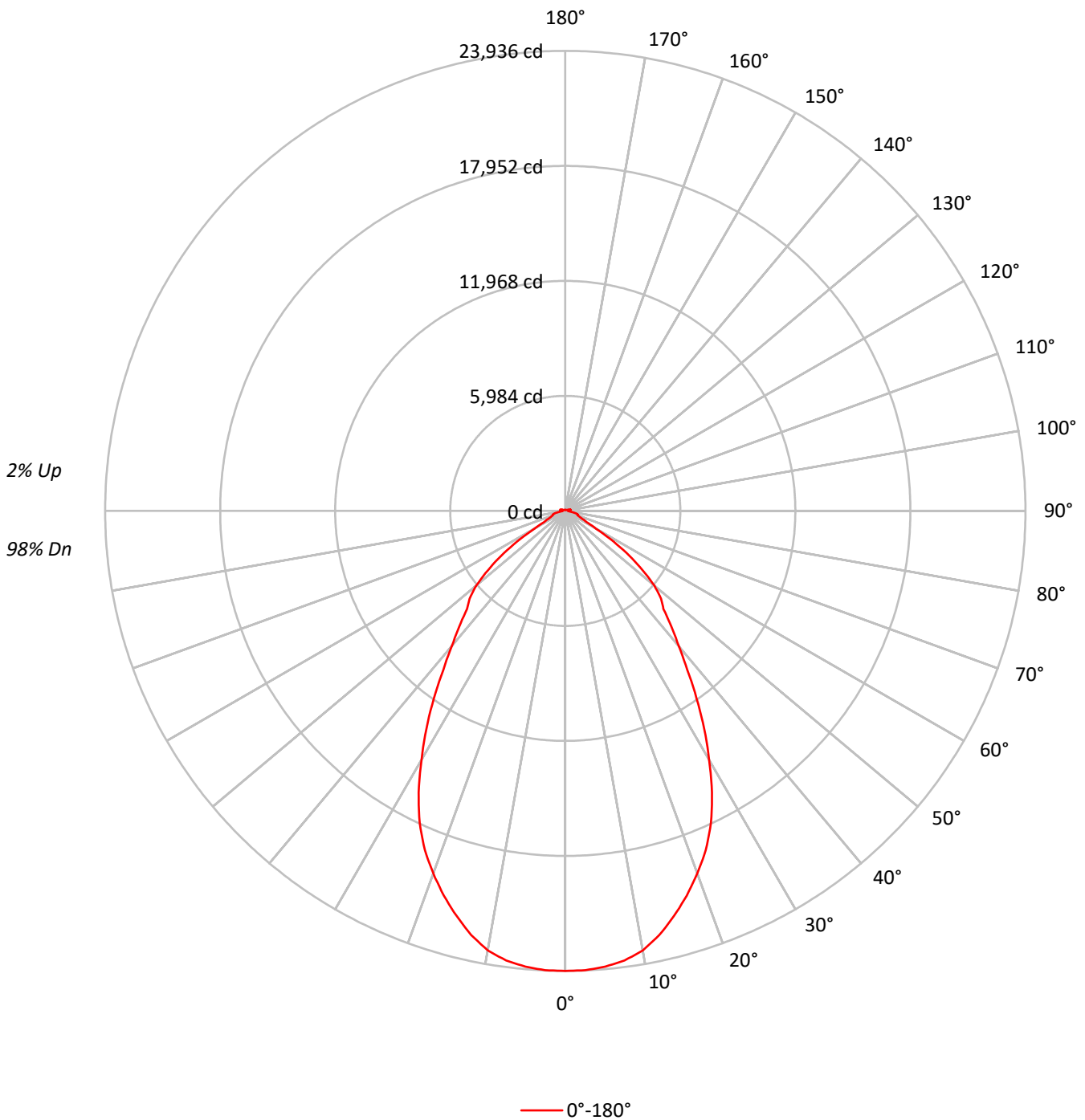
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36011.0 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 232.1
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	119	119	119	119	115	115	115	115	110	110	110	105	105	105	100	100	100	100	100	100	98
1	111	107	104	101	108	105	102	100	101	98	96	96	94	93	93	91	90	93	91	90	88
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80	85	82	80	78
3	97	88	82	77	94	87	81	76	84	79	74	81	76	73	78	75	72	78	75	72	70
4	90	80	73	68	88	79	73	67	76	71	66	74	69	65	72	68	64	72	68	64	62
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58	66	62	58	56
6	79	68	60	55	77	67	60	55	65	59	54	63	58	53	61	57	53	61	57	53	51
7	74	62	55	50	72	61	54	50	60	54	49	58	53	49	57	52	48	57	52	48	46
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	53	48	44	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	44	41	50	44	41	39
10	62	50	43	39	60	49	43	38	48	42	38	47	42	38	46	41	38	46	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	183515
5°	179457
10°	173463
15°	162868
20°	150743
25°	136459
30°	116496
35°	95525
40°	76534
45°	63230
50°	56182
55°	40789
60°	19941
65°	11648
70°	9589
75°	9943
80°	7201
85°	4321

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 63230 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2254.2	6.3
10°-20°	6125.1	17.0
20°-30°	8154.5	22.6
30°-40°	7443.0	20.7
40°-50°	5727.8	15.9
50°-60°	3569.9	9.9
60°-70°	1053.9	2.9
70°-80°	632.0	1.8
80°-90°	230.5	0.6
90°-100°	204.1	0.6
100°-110°	266.2	0.7
110°-120°	131.6	0.4
120°-130°	69.6	0.2
130°-140°	52.8	0.1
140°-150°	42.6	0.1
150°-160°	30.9	0.1
160°-170°	17.1	0.0
170°-180°	5.2	0.0
0°-30°	16533.8	45.9
0°-40°	23976.9	66.6
0°-60°	33274.5	92.4
0°-90°	35190.9	97.7
90°-120°	601.9	1.7
90°-150°	766.9	2.1
90°-180°	820.0	2.3
0°-180°	36011.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23936	
5°	23803	###
15°	21828	6125
25°	17922	8154
35°	11908	7443
45°	7220	5728
55°	4089	3570
65°	970	1054
75°	634	632
85°	183	192
90°	136	78
95°	180	165
105°	265	266
115°	127	132
125°	77	70
135°	68	53
145°	68	43
155°	68	31
165°	59	17
175°	53	5
180°	56	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	23936.1
2.5°	23918.4
5°	23803.4
7.5°	23594.1
10°	23216.7
12.5°	22609.4
15°	21828.2
17.5°	20993.8
20°	20076.9
22.5°	19104.1
25°	17921.8
27.5°	16521.5
30°	14967.8
32.5°	13452.4
35°	11907.6
37.5°	10421.7
40°	9174.7
42.5°	8163.4
45°	7220.0
47.5°	6754.2
50°	6046.7
52.5°	5062.0
55°	4089.1
57.5°	2983.5
60°	1836.7
62.5°	1232.3
65°	969.9
67.5°	799.0
70°	707.6
72.5°	678.1
75°	633.9
77.5°	536.6
80°	383.3
82.5°	256.5
85°	182.8
87.5°	147.4
90°	135.6
92.5°	150.4
95°	179.8
97.5°	221.1
100°	259.4
102.5°	277.1
105°	265.3
107.5°	235.9
110°	194.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	156.3
115°	126.8
117.5°	103.2
120°	88.4
122.5°	79.6
125°	76.7
127.5°	73.7
130°	70.8
132.5°	67.8
135°	67.8
137.5°	67.8
140°	67.8
142.5°	67.8
145°	67.8
147.5°	67.8
150°	67.8
152.5°	67.8
155°	67.8
157.5°	64.9
160°	64.9
162.5°	61.9
165°	59.0
167.5°	59.0
170°	56.0
172.5°	53.1
175°	53.1
177.5°	56.0
180°	56.0

(END OF REPORT)