

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: P980675

Luminaire Tested: UHBS2-2436-M-L83065-LOW-3000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-LOW-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

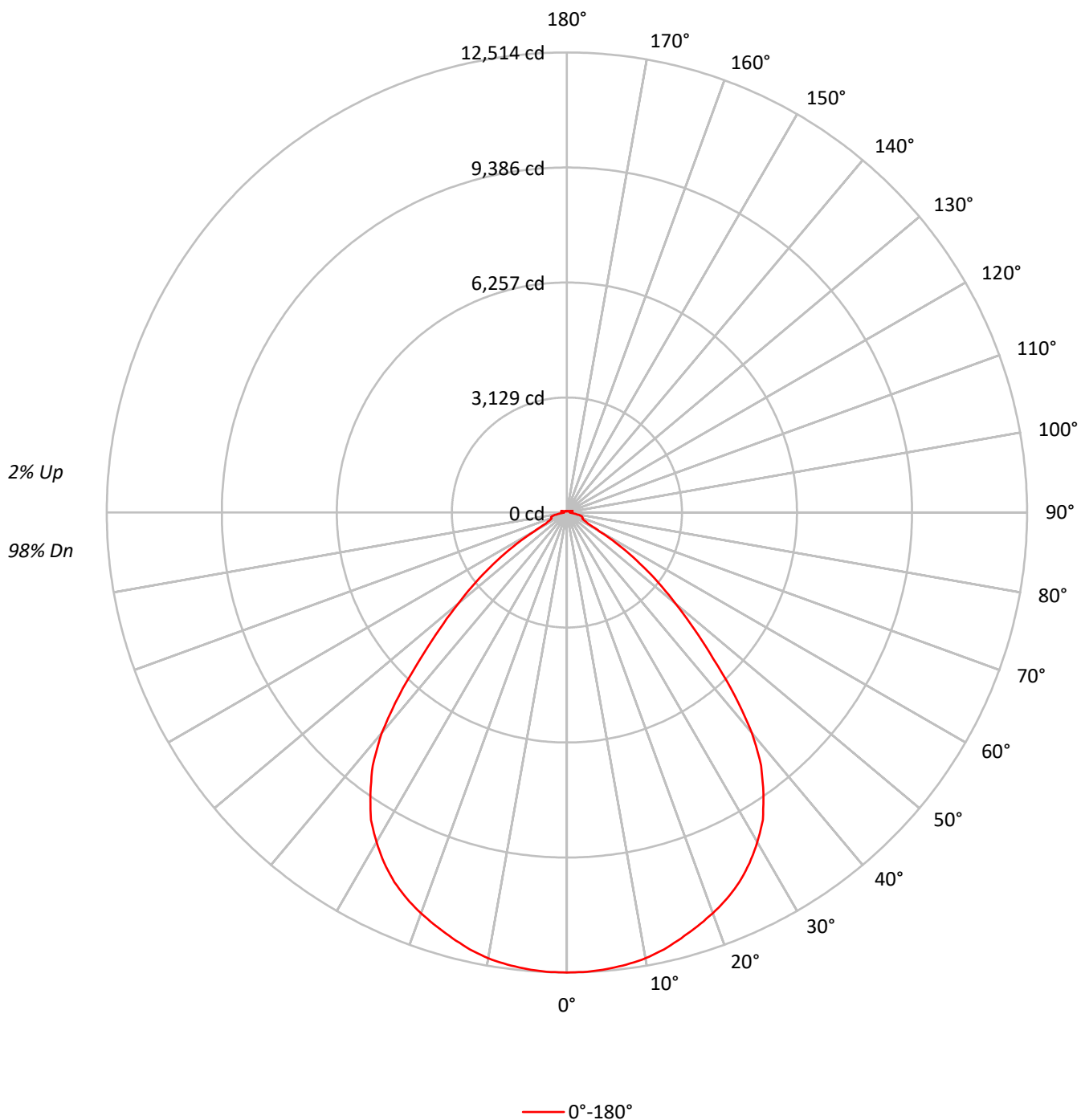
Lumens per Lamp: N/A
Luminaire Lumens: 23670.0 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 156
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.2
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P980675

CATALOG NUMBER: UHBS2-2436-M-L83065-LOW-3000K-CLR3

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	96	96	94	93	92	91	90			88
2	103	97	92	87	101	95	90	86	91	87	84	88	85	82	85	82	80			78
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	77	74	71			69
4	89	80	72	67	87	78	72	66	76	70	65	73	68	64	71	67	63			61
5	83	73	65	59	81	71	64	59	69	63	58	67	62	58	65	61	57			55
6	78	66	59	53	76	65	58	53	63	57	52	62	56	52	60	55	51			49
7	73	61	53	48	71	60	53	48	58	52	47	57	51	47	55	50	46			45
8	68	56	49	44	66	55	48	43	54	48	43	53	47	43	51	46	42			41
9	64	52	45	40	62	51	44	40	50	44	39	49	43	39	48	43	39			37
10	60	48	41	36	59	48	41	36	47	40	36	45	40	36	45	39	36			34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95944
5°	93987
10°	92011
15°	89485
20°	87098
25°	84485
30°	80599
35°	74732
40°	65315
45°	49331
50°	35899
55°	24248
60°	11131
65°	6365
70°	6018
75°	6709
80°	4978
85°	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49331 cd/sqm

TEST NUMBER: P980675

CATALOG NUMBER: UHBS2-2436-M-L83065-LOW-3000K-CLR3

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1185.3	5.0
10°-20°	3386.1	14.3
20°-30°	5098.1	21.5
30°-40°	5779.8	24.4
40°-50°	4396.8	18.6
50°-60°	2166.7	9.2
60°-70°	586.5	2.5
70°-80°	421.3	1.8
80°-90°	150.3	0.6
90°-100°	115.3	0.5
100°-110°	156.7	0.7
110°-120°	84.3	0.4
120°-130°	45.4	0.2
130°-140°	34.3	0.1
140°-150°	28.7	0.1
150°-160°	20.8	0.1
160°-170°	10.5	0.0
170°-180°	3.0	0.0
0°-30°	9669.4	40.9
0°-40°	15449.3	65.3
0°-60°	22012.8	93.0
0°-90°	23170.9	97.9
90°-120°	356.3	1.5
90°-150°	464.8	2.0
90°-180°	499.0	2.1
0°-180°	23670.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12514	
5°	12467	###
15°	11993	3386
25°	11096	5098
35°	9316	5780
45°	5633	4397
55°	2431	2167
65°	530	586
75°	428	421
85°	117	127
90°	79	46
95°	100	93
105°	157	157
115°	82	84
125°	49	45
135°	44	34
145°	46	29
155°	46	21
165°	37	11
175°	31	3
180°	31	

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CATALOG NUMBER: UHBS2-2436-M-L83065-LOW-3000K-CLR3

CANDELA DISTRIBUTION (FULL):

0°	
0°	12514.1
2.5°	12505.0
5°	12466.6
7.5°	12406.3
10°	12314.9
12.5°	12177.8
15°	11993.2
17.5°	11801.3
20°	11600.3
22.5°	11371.8
25°	11095.8
27.5°	10755.9
30°	10355.6
32.5°	9915.1
35°	9315.7
37.5°	8674.2
40°	7829.8
42.5°	6764.2
45°	5632.9
47.5°	4686.2
50°	3863.7
52.5°	3139.9
55°	2430.8
57.5°	1752.7
60°	1025.3
62.5°	643.3
65°	530.0
67.5°	467.9
70°	444.1
72.5°	447.8
75°	427.7
77.5°	365.5
80°	265.0
82.5°	171.8
85°	117.0
87.5°	91.4
90°	78.6
92.5°	85.9
95°	100.5
97.5°	124.3
100°	146.2
102.5°	159.0
105°	157.2
107.5°	142.6
110°	120.6



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CATALOG NUMBER: UHBS2-2436-M-L83065-LOW-3000K-CLR3

CANDELA DISTRIBUTION (continued):

	0°
112.5°	98.7
115°	82.2
117.5°	67.6
120°	58.5
122.5°	53.0
125°	49.3
127.5°	47.5
130°	45.7
132.5°	43.9
135°	43.9
137.5°	43.9
140°	45.7
142.5°	45.7
145°	45.7
147.5°	45.7
150°	45.7
152.5°	45.7
155°	45.7
157.5°	43.9
160°	42.0
162.5°	38.4
165°	36.6
167.5°	34.7
170°	32.9
172.5°	31.1
175°	31.1
177.5°	31.1
180°	31.1

(END OF REPORT)