

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: P980660

Luminaire Tested: UHS2-2436-M-L83065-HIGH-3000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980660
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-HIGH-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

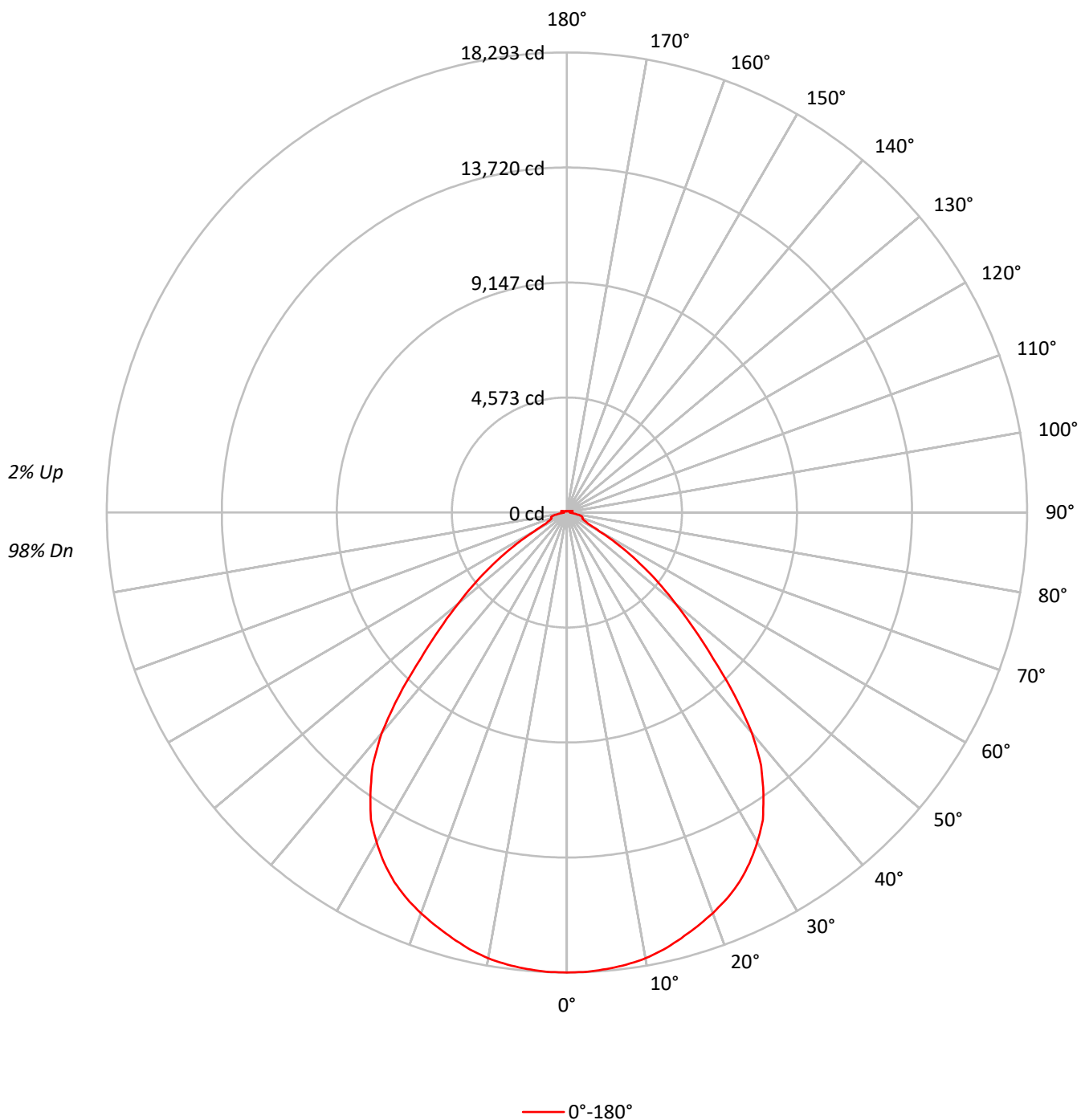
Lumens per Lamp: N/A
Luminaire Lumens: 34600.0 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 239.4
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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100
1	111	107	104	101	108	105	102	99	100	98	96		96	94	93		92
2	103	97	92	87	101	95	90	86	91	87	84		88	85	82		85
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77
4	89	80	72	67	87	78	72	66	76	70	65		73	68	64		71
5	83	73	65	59	81	71	64	59	69	63	58		67	62	58		65
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55
8	68	56	49	44	66	55	48	43	54	48	43		53	47	43		51
9	64	52	45	40	62	51	44	40	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		45	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	140248
5°	137387
10°	134498
15°	130807
20°	127317
25°	123498
30°	117817
35°	109240
40°	95476
45°	72110
50°	52475
55°	35445
60°	16272
65°	9305
70°	8798
75°	9807
80°	7278
85°	4042

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 72110 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1732.6	5.0
10°-20°	4949.7	14.3
20°-30°	7452.2	21.5
30°-40°	8448.7	24.4
40°-50°	6427.0	18.6
50°-60°	3167.3	9.2
60°-70°	857.3	2.5
70°-80°	615.9	1.8
80°-90°	219.7	0.6
90°-100°	168.6	0.5
100°-110°	229.1	0.7
110°-120°	123.2	0.4
120°-130°	66.4	0.2
130°-140°	50.2	0.1
140°-150°	42.0	0.1
150°-160°	30.4	0.1
160°-170°	15.4	0.0
170°-180°	4.4	0.0
0°-30°	14134.5	40.9
0°-40°	22583.2	65.3
0°-60°	32177.5	93.0
0°-90°	33870.5	97.9
90°-120°	520.9	1.5
90°-150°	679.4	2.0
90°-180°	730.0	2.1
0°-180°	34600.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18293	
5°	18223	###
15°	17531	4950
25°	16220	7452
35°	13617	8449
45°	8234	6427
55°	3553	3167
65°	775	857
75°	625	616
85°	171	186
90°	115	67
95°	147	136
105°	230	229
115°	120	123
125°	72	66
135°	64	50
145°	67	42
155°	67	30
165°	53	15
175°	45	4
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18292.7
2.5°	18279.3
5°	18223.2
7.5°	18135.1
10°	18001.5
12.5°	17801.1
15°	17531.3
17.5°	17250.8
20°	16956.9
22.5°	16622.9
25°	16219.5
27.5°	15722.6
30°	15137.5
32.5°	14493.6
35°	13617.3
37.5°	12679.6
40°	11445.3
42.5°	9887.7
45°	8234.0
47.5°	6850.1
50°	5647.8
52.5°	4589.9
55°	3553.3
57.5°	2562.1
60°	1498.8
62.5°	940.4
65°	774.8
67.5°	683.9
70°	649.2
72.5°	654.6
75°	625.2
77.5°	534.3
80°	387.4
82.5°	251.1
85°	171.0
87.5°	133.6
90°	114.9
92.5°	125.6
95°	146.9
97.5°	181.7
100°	213.7
102.5°	232.4
105°	229.8
107.5°	208.4
110°	176.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	144.3
115°	120.2
117.5°	98.9
120°	85.5
122.5°	77.5
125°	72.1
127.5°	69.5
130°	66.8
132.5°	64.1
135°	64.1
137.5°	64.1
140°	66.8
142.5°	66.8
145°	66.8
147.5°	66.8
150°	66.8
152.5°	66.8
155°	66.8
157.5°	64.1
160°	61.4
162.5°	56.1
165°	53.4
167.5°	50.8
170°	48.1
172.5°	45.4
175°	45.4
177.5°	45.4
180°	45.4

(END OF REPORT)