

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: P980666

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980666
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-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

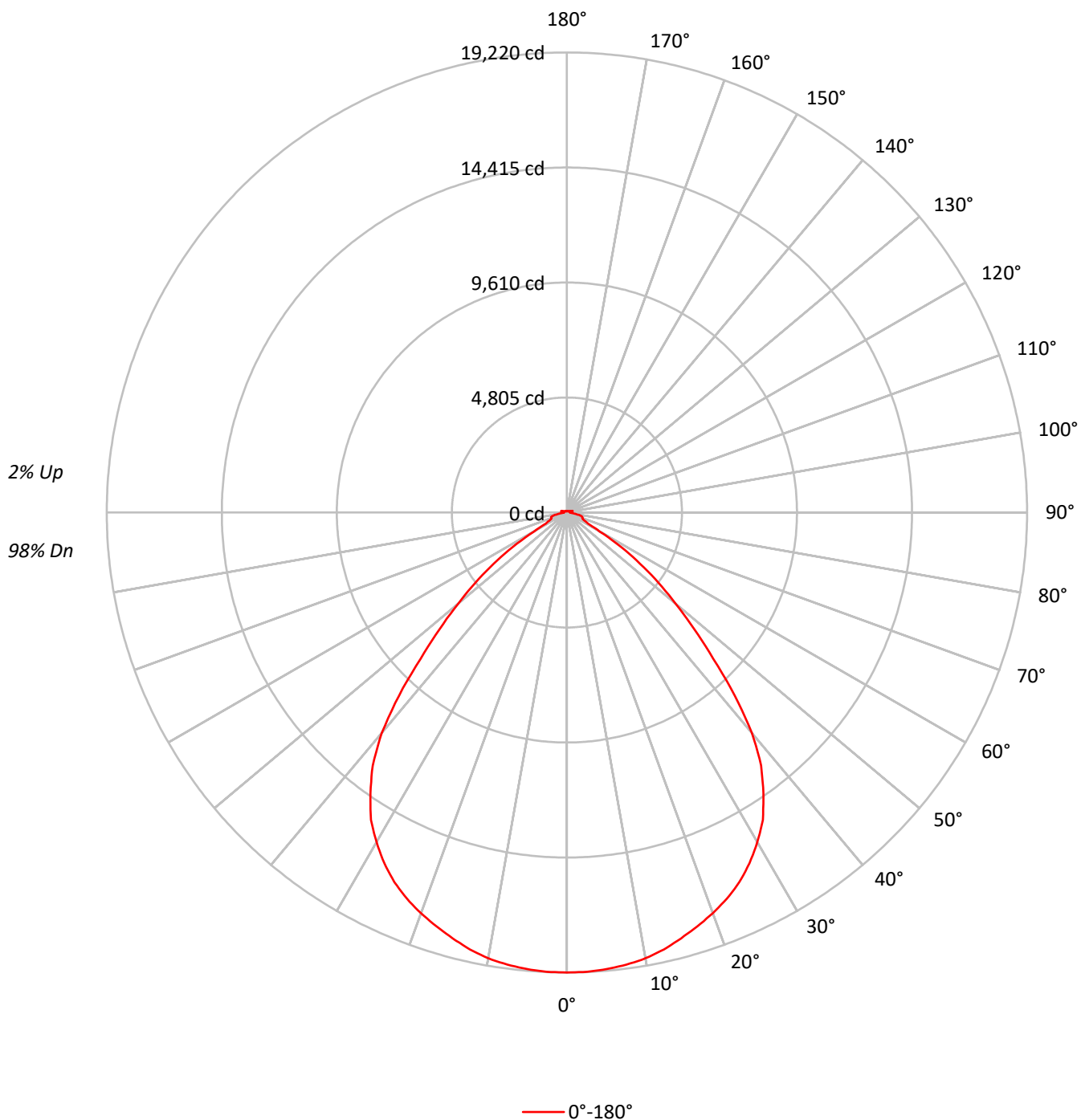
Lumens per Lamp: N/A
Luminaire Lumens: 36354.1 lumens
Efficiency: N/A
Efficacy: 156.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 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
RC	80					70					50					30					10
RW	70	50	30	10		70	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
1	111	107	104	101		108	105	102	99		100	98	96		96	94	93		92	91	90
2	103	97	92	87		101	95	90	86		91	87	84		88	85	82		85	82	80
3	96	88	81	76		94	86	80	75		83	78	74		80	76	72		77	74	71
4	89	80	72	67		87	78	72	66		76	70	65		73	68	64		71	67	63
5	83	73	65	59		81	71	64	59		69	63	58		67	62	58		65	61	57
6	78	66	59	53		76	65	58	53		63	57	52		62	56	52		60	55	51
7	73	61	53	48		71	60	53	48		58	52	47		57	51	47		55	50	46
8	68	56	49	44		66	55	48	43		54	48	43		53	47	43		51	46	42
9	64	52	45	40		62	51	44	40		50	44	39		49	43	39		48	43	39
10	60	48	41	36		59	48	41	36		47	40	36		45	40	36		45	39	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147357
5°	144351
10°	141316
15°	137438
20°	133771
25°	129758
30°	123790
35°	114778
40°	100316
45°	75765
50°	55135
55°	37241
60°	17097
65°	9777
70°	9244
75°	10304
80°	7646
85°	4248

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75765 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1820.4	5.0
10°-20°	5200.6	14.3
20°-30°	7829.9	21.5
30°-40°	8877.0	24.4
40°-50°	6752.9	18.6
50°-60°	3327.9	9.2
60°-70°	900.8	2.5
70°-80°	647.1	1.8
80°-90°	230.9	0.6
90°-100°	177.1	0.5
100°-110°	240.7	0.7
110°-120°	129.5	0.4
120°-130°	69.7	0.2
130°-140°	52.7	0.1
140°-150°	44.1	0.1
150°-160°	31.9	0.1
160°-170°	16.2	0.0
170°-180°	4.6	0.0
0°-30°	14851.0	40.9
0°-40°	23728.0	65.3
0°-60°	33808.7	93.0
0°-90°	35587.5	97.9
90°-120°	547.3	1.5
90°-150°	713.9	2.0
90°-180°	767.0	2.1
0°-180°	36354.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19220	
5°	19147	###
15°	18420	5201
25°	17042	7830
35°	14308	8877
45°	8651	6753
55°	3733	3328
65°	814	901
75°	657	647
85°	180	195
90°	121	70
95°	154	142
105°	241	241
115°	126	129
125°	76	70
135°	67	53
145°	70	44
155°	70	32
165°	56	16
175°	48	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19220.0
2.5°	19206.0
5°	19147.0
7.5°	19054.4
10°	18914.0
12.5°	18703.5
15°	18420.0
17.5°	18125.3
20°	17816.5
22.5°	17465.6
25°	17041.7
27.5°	16519.6
30°	15904.9
32.5°	15228.4
35°	14307.6
37.5°	13322.4
40°	12025.5
42.5°	10389.0
45°	8651.4
47.5°	7197.3
50°	5934.1
52.5°	4822.5
55°	3733.4
57.5°	2692.0
60°	1574.8
62.5°	988.1
65°	814.1
67.5°	718.6
70°	682.1
72.5°	687.7
75°	656.9
77.5°	561.4
80°	407.0
82.5°	263.9
85°	179.7
87.5°	140.4
90°	120.7
92.5°	131.9
95°	154.4
97.5°	190.9
100°	224.6
102.5°	244.2
105°	241.4
107.5°	219.0
110°	185.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	151.6
115°	126.3
117.5°	103.9
120°	89.8
122.5°	81.4
125°	75.8
127.5°	73.0
130°	70.2
132.5°	67.4
135°	67.4
137.5°	67.4
140°	70.2
142.5°	70.2
145°	70.2
147.5°	70.2
150°	70.2
152.5°	70.2
155°	70.2
157.5°	67.4
160°	64.6
162.5°	58.9
165°	56.1
167.5°	53.3
170°	50.5
172.5°	47.7
175°	47.7
177.5°	47.7
180°	47.7

(END OF REPORT)