

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: P980672

Luminaire Tested: UHBS2-2436-M-L83065-HIGH-6500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980672
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-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

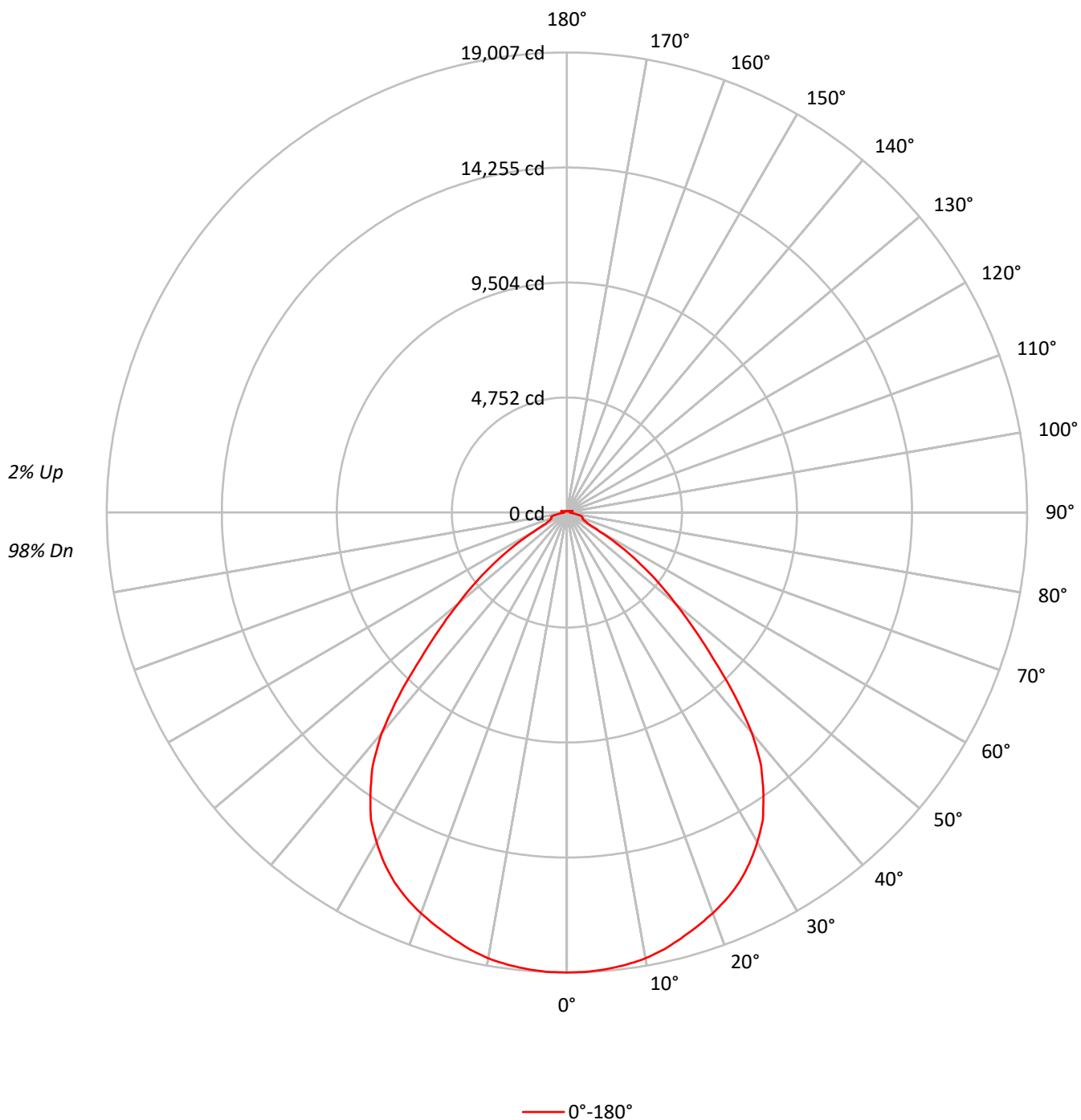
Lumens per Lamp: N/A
Luminaire Lumens: 35951.0 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 239.1
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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°	145724
5°	142752
10°	139750
15°	135914
20°	132288
25°	128320
30°	122417
35°	113506
40°	99204
45°	74926
50°	54525
55°	36828
60°	16907
65°	9668
70°	9142
75°	10189
80°	7561
85°	4201

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 74926 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1800.3	5.0
10°-20°	5143.0	14.3
20°-30°	7743.1	21.5
30°-40°	8778.6	24.4
40°-50°	6678.0	18.6
50°-60°	3291.0	9.2
60°-70°	890.7	2.5
70°-80°	640.0	1.8
80°-90°	228.3	0.6
90°-100°	175.2	0.5
100°-110°	238.0	0.7
110°-120°	128.0	0.4
120°-130°	69.0	0.2
130°-140°	52.1	0.1
140°-150°	43.6	0.1
150°-160°	31.6	0.1
160°-170°	16.0	0.0
170°-180°	4.6	0.0
0°-30°	14686.4	40.9
0°-40°	23465.0	65.3
0°-60°	33433.9	93.0
0°-90°	35192.9	97.9
90°-120°	541.2	1.5
90°-150°	705.9	2.0
90°-180°	758.0	2.1
0°-180°	35951.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19007	
5°	18935	###
15°	18216	5143
25°	16853	7743
35°	14149	8779
45°	8556	6678
55°	3692	3291
65°	805	891
75°	650	640
85°	178	193
90°	119	70
95°	153	141
105°	239	238
115°	125	128
125°	75	69
135°	67	52
145°	69	44
155°	69	32
165°	56	16
175°	47	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19007.0
2.5°	18993.1
5°	18934.8
7.5°	18843.2
10°	18704.4
12.5°	18496.2
15°	18215.8
17.5°	17924.3
20°	17619.0
22.5°	17272.0
25°	16852.8
27.5°	16336.5
30°	15728.6
32.5°	15059.5
35°	14149.0
37.5°	13174.7
40°	11892.2
42.5°	10273.8
45°	8555.5
47.5°	7117.5
50°	5868.4
52.5°	4769.1
55°	3692.0
57.5°	2662.1
60°	1557.3
62.5°	977.1
65°	805.0
67.5°	710.6
70°	674.6
72.5°	680.1
75°	649.6
77.5°	555.2
80°	402.5
82.5°	260.9
85°	177.7
87.5°	138.8
90°	119.4
92.5°	130.5
95°	152.7
97.5°	188.8
100°	222.1
102.5°	241.5
105°	238.7
107.5°	216.5
110°	183.2



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	149.9
115°	124.9
117.5°	102.7
120°	88.8
122.5°	80.5
125°	75.0
127.5°	72.2
130°	69.4
132.5°	66.6
135°	66.6
137.5°	66.6
140°	69.4
142.5°	69.4
145°	69.4
147.5°	69.4
150°	69.4
152.5°	69.4
155°	69.4
157.5°	66.6
160°	63.8
162.5°	58.3
165°	55.5
167.5°	52.7
170°	50.0
172.5°	47.2
175°	47.2
177.5°	47.2
180°	47.2

(END OF REPORT)