

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: P980690

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980690
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-MID-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

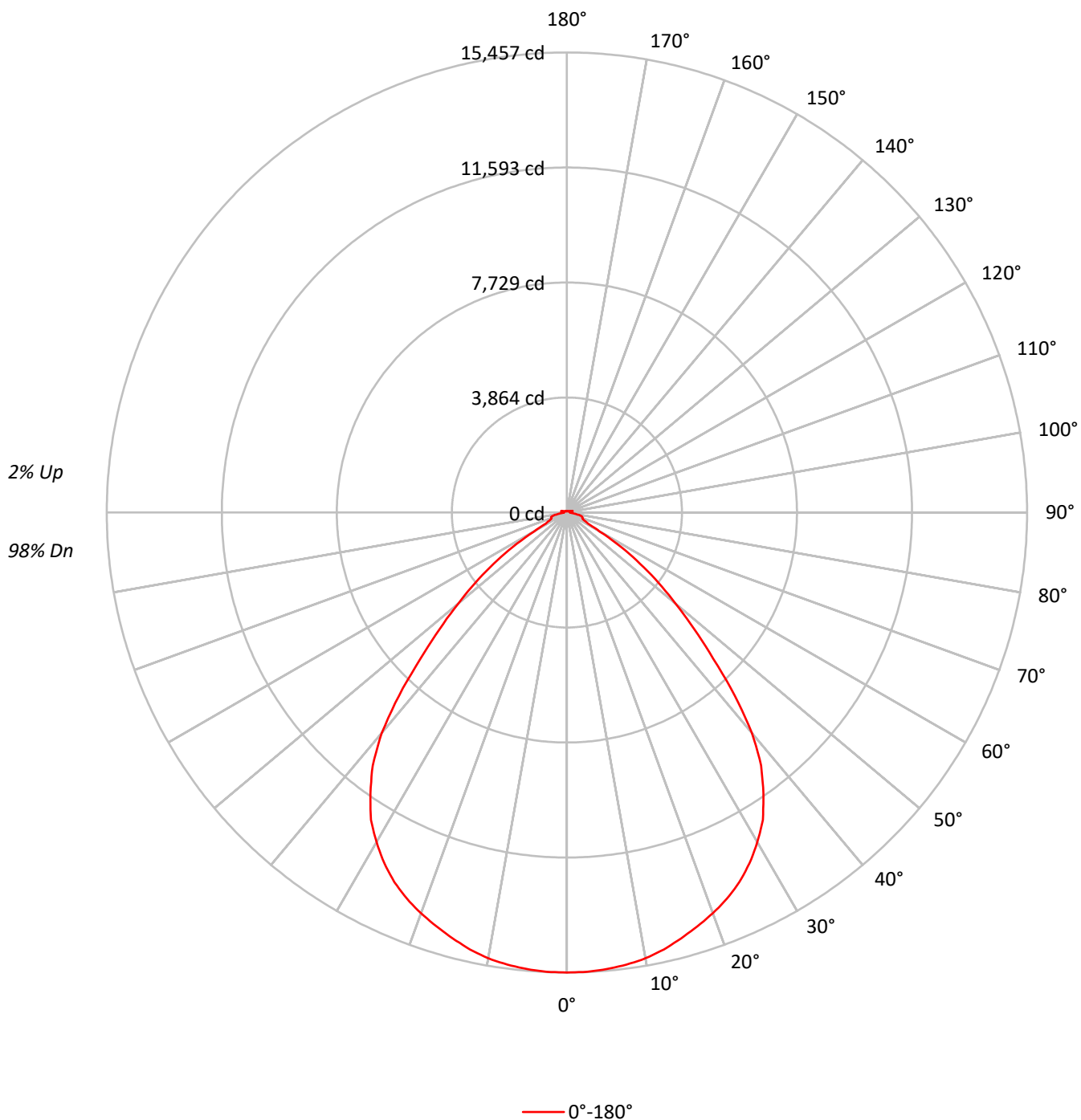
Lumens per Lamp: N/A
Luminaire Lumens: 29237.0 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 194.6
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
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°	118509
5°	116092
10°	113651
15°	110532
20°	107583
25°	104356
30°	99555
35°	92308
40°	80677
45°	60933
50°	44342
55°	29950
60°	13750
65°	7863
70°	7435
75°	8287
80°	6149
85°	3416

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60933 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1464.1	5.0
10°-20°	4182.5	14.3
20°-30°	6297.1	21.5
30°-40°	7139.2	24.4
40°-50°	5430.8	18.6
50°-60°	2676.4	9.2
60°-70°	724.4	2.5
70°-80°	520.4	1.8
80°-90°	185.7	0.6
90°-100°	142.4	0.5
100°-110°	193.6	0.7
110°-120°	104.1	0.4
120°-130°	56.1	0.2
130°-140°	42.4	0.1
140°-150°	35.4	0.1
150°-160°	25.7	0.1
160°-170°	13.0	0.0
170°-180°	3.7	0.0
0°-30°	11943.6	40.9
0°-40°	19082.8	65.3
0°-60°	27190.0	93.0
0°-90°	28620.5	97.9
90°-120°	440.1	1.5
90°-150°	574.1	2.0
90°-180°	616.0	2.1
0°-180°	29237.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15457	
5°	15399	###
15°	14814	4182
25°	13706	6297
35°	11507	7139
45°	6958	5431
55°	3002	2676
65°	655	724
75°	528	520
85°	144	157
90°	97	57
95°	124	115
105°	194	194
115°	102	104
125°	61	56
135°	54	42
145°	56	35
155°	56	26
165°	45	13
175°	38	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15457.3
2.5°	15446.0
5°	15398.6
7.5°	15324.1
10°	15211.3
12.5°	15041.9
15°	14813.9
17.5°	14576.9
20°	14328.6
22.5°	14046.4
25°	13705.5
27.5°	13285.6
30°	12791.2
32.5°	12247.1
35°	11506.6
37.5°	10714.3
40°	9671.3
42.5°	8355.1
45°	6957.7
47.5°	5788.3
50°	4772.4
52.5°	3878.4
55°	3002.5
57.5°	2165.0
60°	1266.5
62.5°	794.7
65°	654.7
67.5°	577.9
70°	548.6
72.5°	553.1
75°	528.3
77.5°	451.5
80°	327.3
82.5°	212.2
85°	144.5
87.5°	112.9
90°	97.1
92.5°	106.1
95°	124.2
97.5°	153.5
100°	180.6
102.5°	196.4
105°	194.1
107.5°	176.1
110°	149.0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	121.9
115°	101.6
117.5°	83.5
120°	72.2
122.5°	65.5
125°	61.0
127.5°	58.7
130°	56.4
132.5°	54.2
135°	54.2
137.5°	54.2
140°	56.4
142.5°	56.4
145°	56.4
147.5°	56.4
150°	56.4
152.5°	56.4
155°	56.4
157.5°	54.2
160°	51.9
162.5°	47.4
165°	45.2
167.5°	42.9
170°	40.6
172.5°	38.4
175°	38.4
177.5°	38.4
180°	38.4

(END OF REPORT)