

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: P980699

Luminaire Tested: UHBS2-2436-M-L83065-MID-5000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980699
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-5000K-CLR3
Description: UHBS2 LED High Bay at 5000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

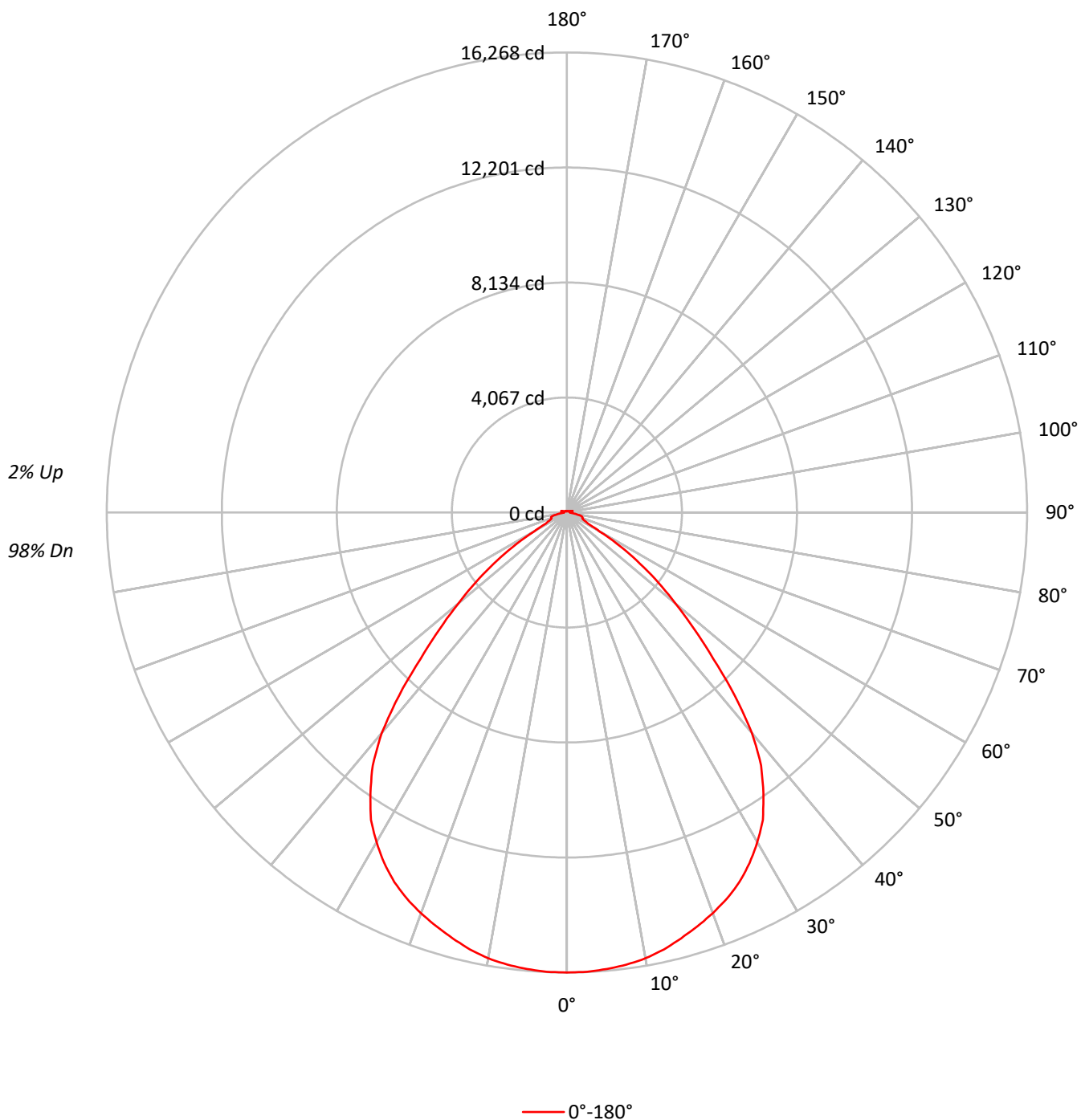
Lumens per Lamp: N/A
Luminaire Lumens: 30770.0 lumens
Efficiency: N/A
Efficacy: 161.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 191
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			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°	124723
5°	122179
10°	119610
15°	116327
20°	113224
25°	109827
30°	104775
35°	97149
40°	84907
45°	64127
50°	46667
55°	31521
60°	14471
65°	8275
70°	7824
75°	8721
80°	6472
85°	3596

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64127 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1540.8	5.0
10°-20°	4401.8	14.3
20°-30°	6627.3	21.5
30°-40°	7513.5	24.4
40°-50°	5715.6	18.6
50°-60°	2816.7	9.2
60°-70°	762.4	2.5
70°-80°	547.7	1.8
80°-90°	195.4	0.6
90°-100°	149.9	0.5
100°-110°	203.7	0.7
110°-120°	109.6	0.4
120°-130°	59.0	0.2
130°-140°	44.6	0.1
140°-150°	37.3	0.1
150°-160°	27.0	0.1
160°-170°	13.7	0.0
170°-180°	3.9	0.0
0°-30°	12569.9	40.9
0°-40°	20083.4	65.3
0°-60°	28615.7	93.0
0°-90°	30121.2	97.9
90°-120°	463.2	1.5
90°-150°	604.2	2.0
90°-180°	649.0	2.1
0°-180°	30770.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16268	
5°	16206	###
15°	15591	4402
25°	14424	6627
35°	12110	7514
45°	7322	5716
55°	3160	2817
65°	689	762
75°	556	548
85°	152	165
90°	102	60
95°	131	121
105°	204	204
115°	107	110
125°	64	59
135°	57	45
145°	59	37
155°	59	27
165°	48	14
175°	40	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16267.8
2.5°	16255.9
5°	16206.0
7.5°	16127.6
10°	16008.8
12.5°	15830.6
15°	15590.7
17.5°	15341.2
20°	15079.9
22.5°	14782.9
25°	14424.1
27.5°	13982.2
30°	13461.9
32.5°	12889.3
35°	12110.0
37.5°	11276.0
40°	10178.4
42.5°	8793.2
45°	7322.5
47.5°	6091.8
50°	5022.7
52.5°	4081.8
55°	3160.0
57.5°	2278.5
60°	1332.9
62.5°	836.3
65°	689.0
67.5°	608.2
70°	577.3
72.5°	582.1
75°	556.0
77.5°	475.2
80°	344.5
82.5°	223.3
85°	152.1
87.5°	118.8
90°	102.2
92.5°	111.7
95°	130.7
97.5°	161.6
100°	190.1
102.5°	206.7
105°	204.3
107.5°	185.3
110°	156.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	128.3
115°	106.9
117.5°	87.9
120°	76.0
122.5°	68.9
125°	64.1
127.5°	61.8
130°	59.4
132.5°	57.0
135°	57.0
137.5°	57.0
140°	59.4
142.5°	59.4
145°	59.4
147.5°	59.4
150°	59.4
152.5°	59.4
155°	59.4
157.5°	57.0
160°	54.6
162.5°	49.9
165°	47.5
167.5°	45.1
170°	42.8
172.5°	40.4
175°	40.4
177.5°	40.4
180°	40.4

(END OF REPORT)