

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: P980733

Luminaire Tested: UHBS2-2436-N-L83065-MID-6500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-N-L83065-MID-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

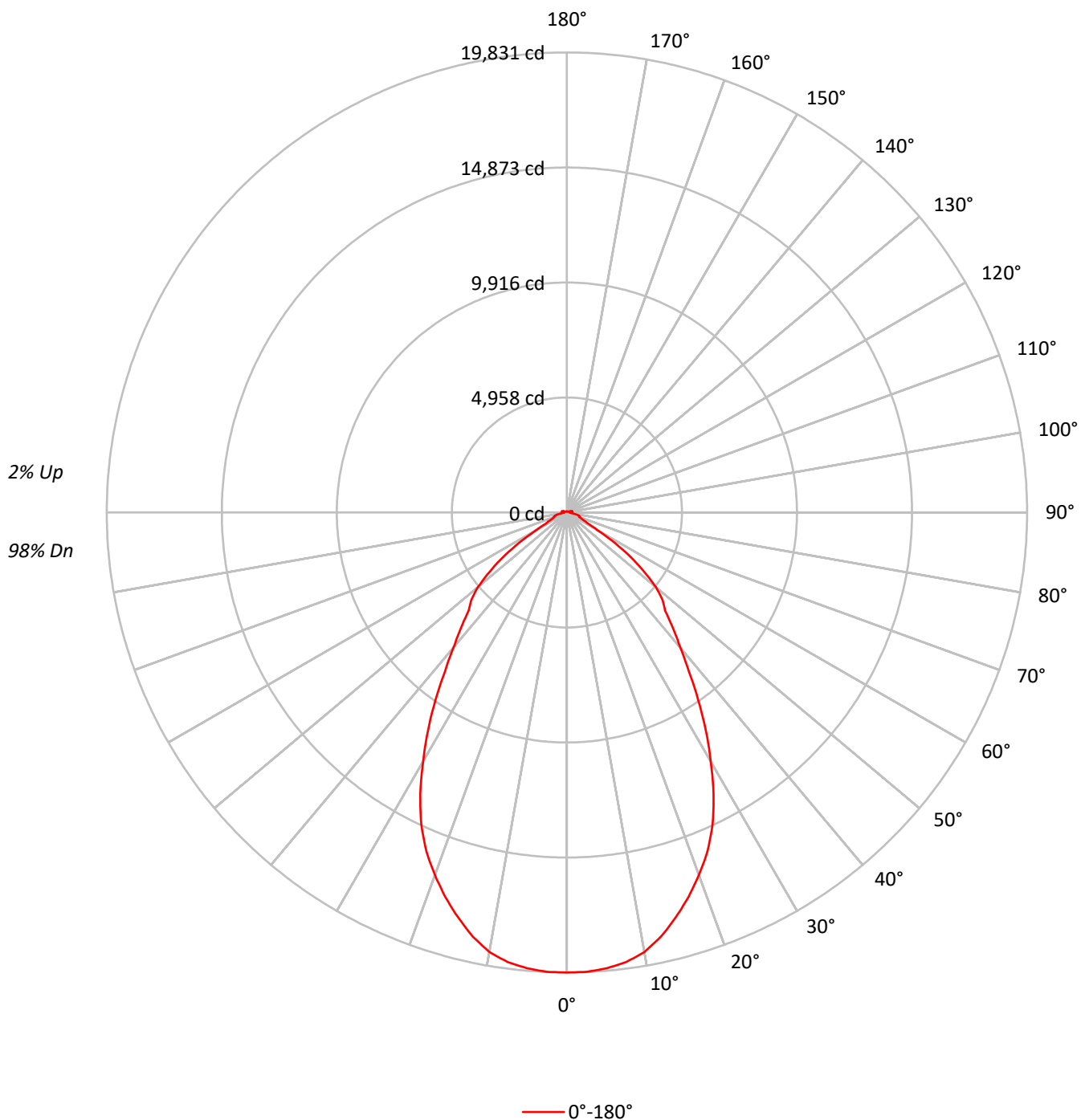
Lumens per Lamp: N/A
Luminaire Lumens: 29835.0 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 195
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	30	10	0		
RCR																				
0	119	119	119	119	115	115	115	115	110	110	110	105	105	105	100	100	100	98		
1	111	107	104	101	108	105	102	100	101	98	96	96	94	93	93	91	90	88		
2	104	97	92	88	101	95	91	87	92	88	84	88	85	82	85	82	80	78		
3	97	88	82	77	94	87	81	76	84	79	74	81	76	73	78	75	72	70		
4	90	80	73	68	88	79	73	67	76	71	66	74	69	65	72	68	64	62		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	62	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	58	53	61	57	53	51		
7	74	62	55	50	72	61	54	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	50	45	68	57	50	45	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	44	41	39		
10	62	50	43	39	60	49	43	38	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	152042
5°	148680
10°	143714
15°	134935
20°	124891
25°	113056
30°	96517
35°	79142
40°	63408
45°	52386
50°	46546
55°	33794
60°	16521
65°	9651
70°	7944
75°	8236
80°	5965
85°	3579

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52386 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1867.6	6.3
10°-20°	5074.6	17.0
20°-30°	6756.0	22.6
30°-40°	6166.6	20.7
40°-50°	4745.5	15.9
50°-60°	2957.6	9.9
60°-70°	873.2	2.9
70°-80°	523.6	1.8
80°-90°	190.9	0.6
90°-100°	169.1	0.6
100°-110°	220.5	0.7
110°-120°	109.1	0.4
120°-130°	57.6	0.2
130°-140°	43.8	0.1
140°-150°	35.3	0.1
150°-160°	25.6	0.1
160°-170°	14.2	0.0
170°-180°	4.3	0.0
0°-30°	13698.2	45.9
0°-40°	19864.8	66.6
0°-60°	27567.9	92.4
0°-90°	29155.5	97.7
90°-120°	498.7	1.7
90°-150°	635.4	2.1
90°-180°	679.0	2.3
0°-180°	29835.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19831	
5°	19721	###
15°	18085	5075
25°	14848	6756
35°	9865	6167
45°	5982	4745
55°	3388	2958
65°	804	873
75°	525	524
85°	151	159
90°	112	65
95°	149	137
105°	220	221
115°	105	109
125°	64	58
135°	56	44
145°	56	35
155°	56	26
165°	49	14
175°	44	4
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19831.0
2.5°	19816.3
5°	19721.1
7.5°	19547.6
10°	19235.0
12.5°	18731.8
15°	18084.6
17.5°	17393.3
20°	16633.7
22.5°	15827.6
25°	14848.2
27.5°	13688.0
30°	12400.8
32.5°	11145.3
35°	9865.4
37.5°	8634.4
40°	7601.2
42.5°	6763.4
45°	5981.8
47.5°	5595.9
50°	5009.6
52.5°	4193.8
55°	3387.8
57.5°	2471.8
60°	1521.7
62.5°	1021.0
65°	803.6
67.5°	661.9
70°	586.2
72.5°	561.8
75°	525.1
77.5°	444.5
80°	317.5
82.5°	212.5
85°	151.4
87.5°	122.1
90°	112.4
92.5°	124.6
95°	149.0
97.5°	183.2
100°	214.9
102.5°	229.6
105°	219.8
107.5°	195.4
110°	161.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	129.5
115°	105.0
117.5°	85.5
120°	73.3
122.5°	65.9
125°	63.5
127.5°	61.1
130°	58.6
132.5°	56.2
135°	56.2
137.5°	56.2
140°	56.2
142.5°	56.2
145°	56.2
147.5°	56.2
150°	56.2
152.5°	56.2
155°	56.2
157.5°	53.7
160°	53.7
162.5°	51.3
165°	48.9
167.5°	48.9
170°	46.4
172.5°	44.0
175°	44.0
177.5°	46.4
180°	46.4

(END OF REPORT)