

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: P980723

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980723
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-LOW-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

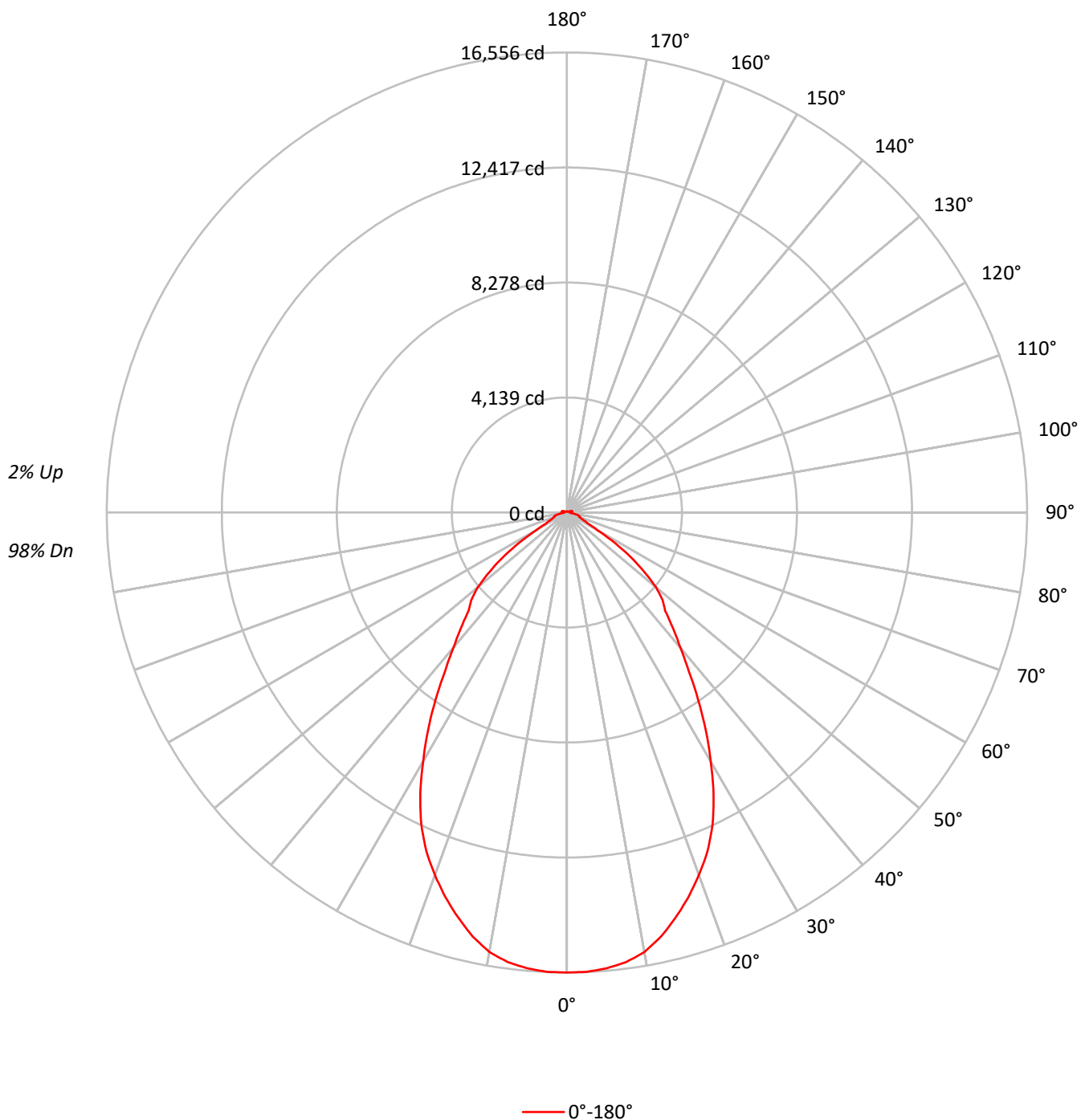
Lumens per Lamp: N/A
Luminaire Lumens: 24907.9 lumens
Efficiency: N/A
Efficacy: 161.5 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 154.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.2
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P980723

CATALOG NUMBER: UHBS2-2436-N-L83065-LOW-6500K-CLR3

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	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°	126933
5°	124126
10°	119981
15°	112651
20°	104266
25°	94386
30°	80578
35°	66072
40°	52937
45°	43735
50°	38859
55°	28213
60°	13792
65°	8057
70°	6632
75°	6877
80°	4980
85°	2988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43735 cd/sqm

TEST NUMBER: P980723

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1559.2	6.3
10°-20°	4236.6	17.0
20°-30°	5640.3	22.6
30°-40°	5148.2	20.7
40°-50°	3961.8	15.9
50°-60°	2469.2	9.9
60°-70°	729.0	2.9
70°-80°	437.1	1.8
80°-90°	159.4	0.6
90°-100°	141.1	0.6
100°-110°	184.1	0.7
110°-120°	91.1	0.4
120°-130°	48.1	0.2
130°-140°	36.5	0.1
140°-150°	29.5	0.1
150°-160°	21.4	0.1
160°-170°	11.9	0.0
170°-180°	3.6	0.0
0°-30°	11436.1	45.9
0°-40°	16584.2	66.6
0°-60°	23015.2	92.4
0°-90°	24340.7	97.7
90°-120°	416.3	1.7
90°-150°	530.4	2.1
90°-180°	567.0	2.3
0°-180°	24907.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16556	
5°	16464	###
15°	15098	4237
25°	12396	5640
35°	8236	5148
45°	4994	3962
55°	2828	2469
65°	671	729
75°	438	437
85°	126	133
90°	94	54
95°	124	114
105°	184	184
115°	88	91
125°	53	48
135°	47	37
145°	47	29
155°	47	21
165°	41	12
175°	37	4
180°	39	

TEST NUMBER: P980723

CATALOG NUMBER: UHBS2-2436-N-L83065-LOW-6500K-CLR3

CANDELA DISTRIBUTION (FULL):

0°	
0°	16556.1
2.5°	16543.8
5°	16464.3
7.5°	16319.5
10°	16058.5
12.5°	15638.4
15°	15098.0
17.5°	14521.0
20°	13886.8
22.5°	13213.8
25°	12396.1
27.5°	11427.5
30°	10352.9
32.5°	9304.7
35°	8236.2
37.5°	7208.5
40°	6345.9
42.5°	5646.5
45°	4993.9
47.5°	4671.7
50°	4182.3
52.5°	3501.3
55°	2828.3
57.5°	2063.6
60°	1270.4
62.5°	852.4
65°	670.9
67.5°	552.6
70°	489.4
72.5°	469.0
75°	438.4
77.5°	371.1
80°	265.1
82.5°	177.4
85°	126.4
87.5°	102.0
90°	93.8
92.5°	104.0
95°	124.4
97.5°	152.9
100°	179.4
102.5°	191.7
105°	183.5
107.5°	163.1
110°	134.6

TEST NUMBER: P980723

CATALOG NUMBER: UHBS2-2436-N-L83065-LOW-6500K-CLR3

CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.1
115°	87.7
117.5°	71.4
120°	61.2
122.5°	55.1
125°	53.0
127.5°	51.0
130°	48.9
132.5°	46.9
135°	46.9
137.5°	46.9
140°	46.9
142.5°	46.9
145°	46.9
147.5°	46.9
150°	46.9
152.5°	46.9
155°	46.9
157.5°	44.9
160°	44.9
162.5°	42.8
165°	40.8
167.5°	40.8
170°	38.7
172.5°	36.7
175°	36.7
177.5°	38.7
180°	38.7

(END OF REPORT)