

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: P980762

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-W-L83065-LOW-6500K-CLR3
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

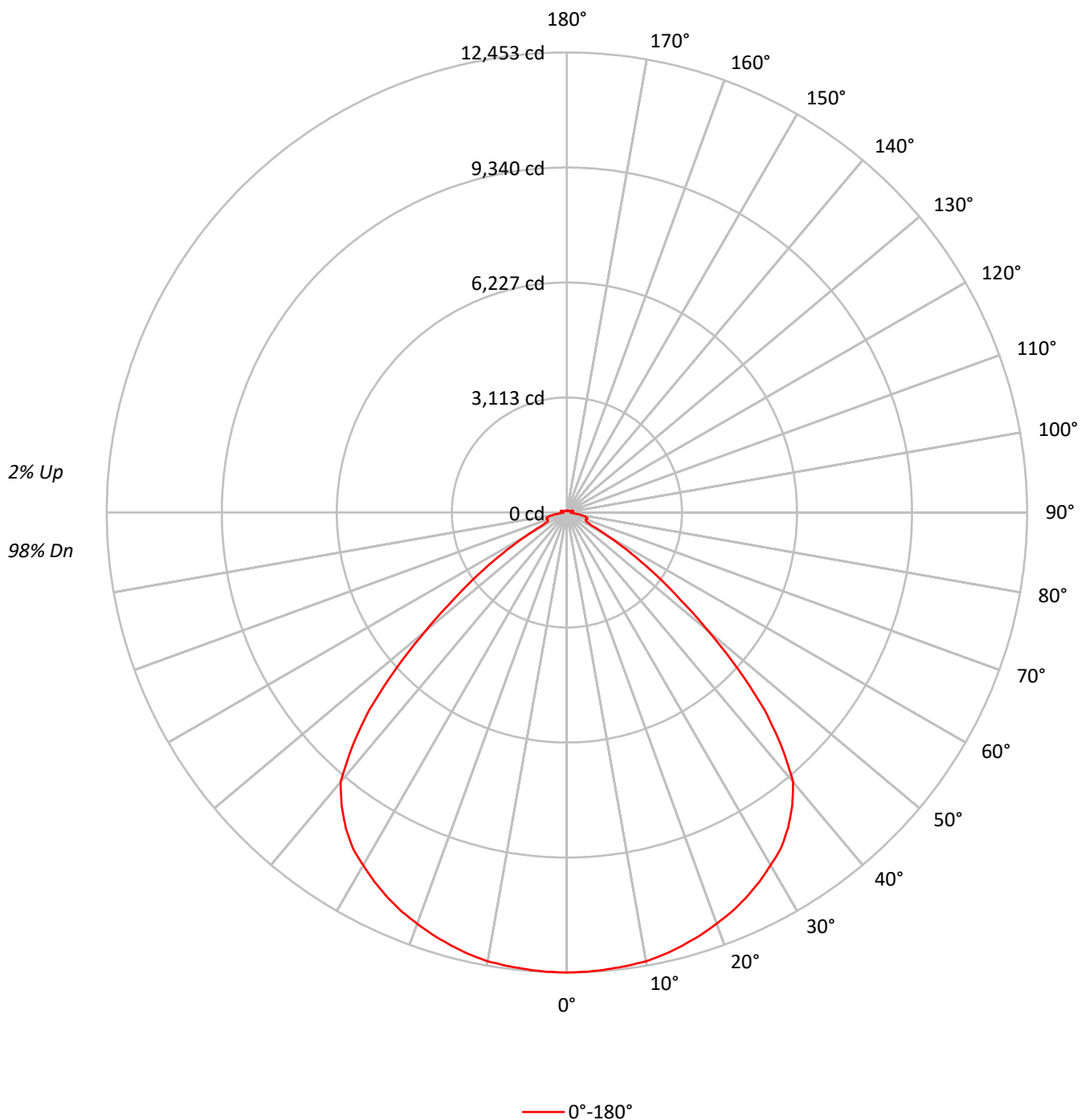
Lumens per Lamp: N/A
Luminaire Lumens: 26812.0 lumens
Efficiency: N/A
Efficacy: 173.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

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: P980762

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

Luminous Intensity Polar Plot



TEST NUMBER: P980762

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

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	95		96	94	92		92
2	103	96	91	86	100	94	89	85	90	86	83		87	84	81		84
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76
4	88	78	71	65	86	77	70	65	74	68	64		72	67	63		70
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64
6	76	65	57	51	74	64	56	51	62	55	50		60	54	50		58
7	71	59	51	46	69	58	51	46	57	50	45		55	49	45		54
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50
9	62	50	43	38	61	49	42	37	48	42	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95476
5°	93600
10°	92165
15°	90496
20°	88942
25°	87528
30°	85813
35°	83674
40°	79452
45°	66255
50°	46504
55°	29253
60°	13919
65°	7053
70°	7555
75°	8931
80°	6957
85°	3624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66255 cd/sqm

TEST NUMBER: P980762

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1182.6	4.4
10°-20°	3427.4	12.8
20°-30°	5298.8	19.8
30°-40°	6498.1	24.2
40°-50°	5707.2	21.3
50°-60°	2661.1	9.9
60°-70°	691.3	2.6
70°-80°	558.0	2.1
80°-90°	200.0	0.7
90°-100°	129.5	0.5
100°-110°	177.8	0.7
110°-120°	102.5	0.4
120°-130°	56.2	0.2
130°-140°	42.4	0.2
140°-150°	36.1	0.1
150°-160°	26.2	0.1
160°-170°	13.3	0.0
170°-180°	3.5	0.0
0°-30°	9908.9	37.0
0°-40°	16407.0	61.2
0°-60°	24775.3	92.4
0°-90°	26224.6	97.8
90°-120°	409.7	1.5
90°-150°	544.3	2.0
90°-180°	587.0	2.2
0°-180°	26812.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12453	
5°	12415	###
15°	12129	3427
25°	11495	5299
35°	10430	6498
45°	7565	5707
55°	2933	2661
65°	587	691
75°	569	558
85°	153	172
90°	92	54
95°	114	104
105°	177	178
115°	100	102
125°	62	56
135°	54	42
145°	58	36
155°	58	26
165°	46	13
175°	36	4
180°	36	

TEST NUMBER: P980762

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	12453.1
2.5°	12443.1
5°	12415.2
7.5°	12379.4
10°	12335.6
12.5°	12246.0
15°	12128.6
17.5°	11999.1
20°	11845.8
22.5°	11686.6
25°	11495.4
27.5°	11270.5
30°	11025.6
32.5°	10778.7
35°	10430.3
37.5°	10010.2
40°	9524.5
42.5°	8602.7
45°	7565.4
47.5°	6293.2
50°	5005.1
52.5°	3866.3
55°	2932.6
57.5°	2062.6
60°	1282.1
62.5°	744.6
65°	587.3
67.5°	549.5
70°	557.5
72.5°	579.4
75°	569.4
77.5°	499.7
80°	370.3
82.5°	238.9
85°	153.3
87.5°	111.5
90°	91.6
92.5°	97.6
95°	113.5
97.5°	137.4
100°	161.3
102.5°	177.2
105°	177.2
107.5°	165.2
110°	143.3

TEST NUMBER: P980762

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	119.5
115°	99.5
117.5°	83.6
120°	73.7
122.5°	65.7
125°	61.7
127.5°	57.7
130°	55.7
132.5°	53.8
135°	53.8
137.5°	55.7
140°	55.7
142.5°	57.7
145°	57.7
147.5°	57.7
150°	57.7
152.5°	57.7
155°	57.7
157.5°	55.7
160°	51.8
162.5°	49.8
165°	45.8
167.5°	43.8
170°	39.8
172.5°	35.8
175°	35.8
177.5°	35.8
180°	35.8

(END OF REPORT)