

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: P980759

Luminaire Tested: UHBS2-2436-W-L83065-LOW-5000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980759
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-5000K-CLR3
Description: UHBS2 LED High Bay at 5000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

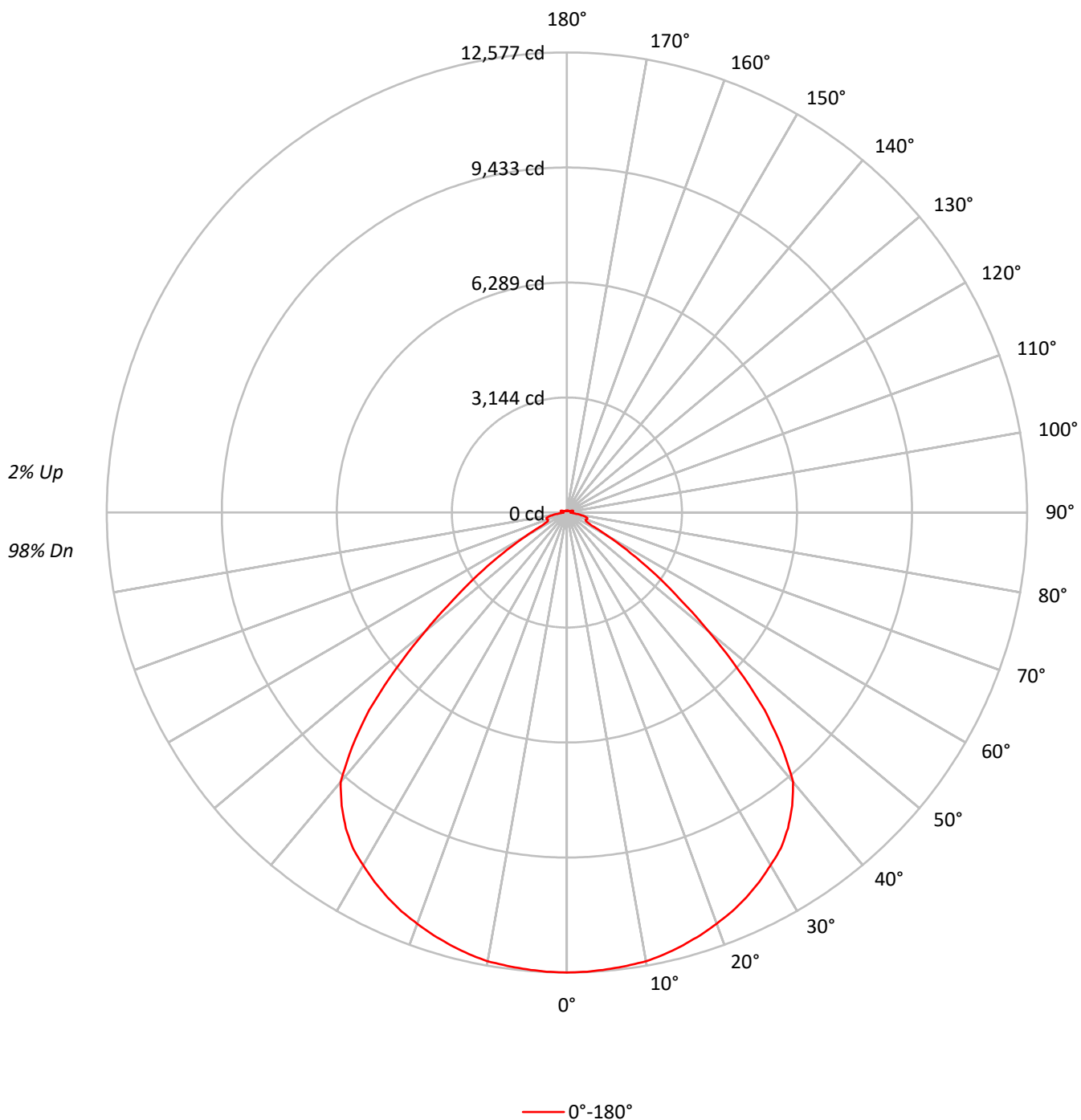
Lumens per Lamp: N/A
Luminaire Lumens: 27078.0 lumens
Efficiency: N/A
Efficacy: 176.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 153.7
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: P980759

CATALOG NUMBER: UHBS2-2436-W-L83065-LOW-5000K-CLR3

Luminous Intensity Polar Plot



TEST NUMBER: P980759

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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	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°	96423
5°	94528
10°	93080
15°	91393
20°	89825
25°	88396
30°	86665
35°	84504
40°	80240
45°	66912
50°	46966
55°	29543
60°	14058
65°	7123
70°	7630
75°	9019
80°	7026
85°	3659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66912 cd/sqm

TEST NUMBER: P980759

CATALOG NUMBER: UHBS2-2436-W-L83065-LOW-5000K-CLR3

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1194.3	4.4
10°-20°	3461.4	12.8
20°-30°	5351.4	19.8
30°-40°	6562.6	24.2
40°-50°	5763.8	21.3
50°-60°	2687.5	9.9
60°-70°	698.2	2.6
70°-80°	563.6	2.1
80°-90°	202.0	0.7
90°-100°	130.7	0.5
100°-110°	179.5	0.7
110°-120°	103.5	0.4
120°-130°	56.7	0.2
130°-140°	42.8	0.2
140°-150°	36.5	0.1
150°-160°	26.5	0.1
160°-170°	13.4	0.0
170°-180°	3.5	0.0
0°-30°	10007.2	37.0
0°-40°	16569.8	61.2
0°-60°	25021.1	92.4
0°-90°	26484.8	97.8
90°-120°	413.7	1.5
90°-150°	549.7	2.0
90°-180°	593.0	2.2
0°-180°	27078.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12577	
5°	12538	###
15°	12249	3461
25°	11610	5351
35°	10534	6563
45°	7640	5764
55°	2962	2687
65°	593	698
75°	575	564
85°	155	174
90°	92	54
95°	115	105
105°	179	180
115°	100	103
125°	62	57
135°	54	43
145°	58	36
155°	58	26
165°	46	13
175°	36	4
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12576.6
2.5°	12566.6
5°	12538.4
7.5°	12502.2
10°	12458.0
12.5°	12367.5
15°	12248.9
17.5°	12118.2
20°	11963.4
22.5°	11802.5
25°	11609.5
27.5°	11382.3
30°	11135.0
32.5°	10885.7
35°	10533.8
37.5°	10109.5
40°	9618.9
42.5°	8688.0
45°	7640.5
47.5°	6355.7
50°	5054.8
52.5°	3904.7
55°	2961.7
57.5°	2083.0
60°	1294.9
62.5°	752.0
65°	593.1
67.5°	554.9
70°	563.0
72.5°	585.1
75°	575.0
77.5°	504.7
80°	374.0
82.5°	241.3
85°	154.8
87.5°	112.6
90°	92.5
92.5°	98.5
95°	114.6
97.5°	138.7
100°	162.9
102.5°	178.9
105°	178.9
107.5°	166.9
110°	144.8



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CATALOG NUMBER: UHBS2-2436-W-L83065-LOW-5000K-CLR3

CANDELA DISTRIBUTION (continued):

	0°
112.5°	120.6
115°	100.5
117.5°	84.4
120°	74.4
122.5°	66.4
125°	62.3
127.5°	58.3
130°	56.3
132.5°	54.3
135°	54.3
137.5°	56.3
140°	56.3
142.5°	58.3
145°	58.3
147.5°	58.3
150°	58.3
152.5°	58.3
155°	58.3
157.5°	56.3
160°	52.3
162.5°	50.3
165°	46.2
167.5°	44.2
170°	40.2
172.5°	36.2
175°	36.2
177.5°	36.2
180°	36.2

(END OF REPORT)