

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: P980735

Luminaire Tested: UHBS2-2436-W-L83065-HIGH-3000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980735
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-HIGH-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

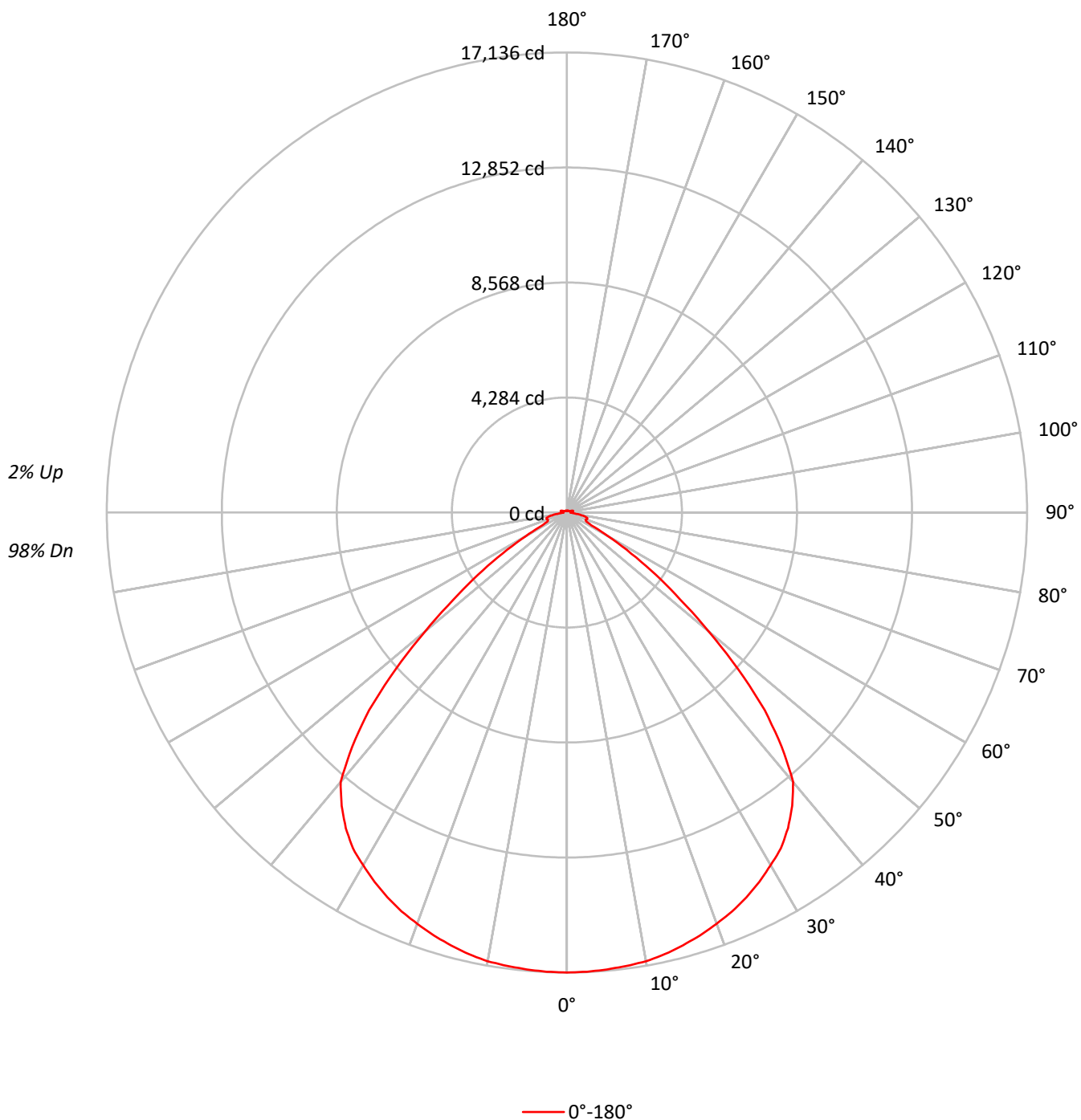
Lumens per Lamp: N/A
Luminaire Lumens: 36895.0 lumens
Efficiency: N/A
Efficacy: 154.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 239.4
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.999
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
RCR																					
0	119	119	119	119		116	116	116	116		110	110	110		105	105	105		100	100	100
1	111	107	104	101		108	105	102	99		100	98	95		96	94	92		92	90	89
2	103	96	91	86		100	94	89	85		90	86	83		87	84	81		84	81	79
3	95	87	80	75		93	85	79	74		82	77	72		79	75	71		76	73	69
4	88	78	71	65		86	77	70	65		74	68	64		72	67	63		70	65	62
5	82	71	63	58		80	70	63	57		68	61	57		66	60	56		64	59	55
6	76	65	57	51		74	64	56	51		62	55	50		60	54	50		58	53	49
7	71	59	51	46		69	58	51	46		57	50	45		55	49	45		54	48	44
8	67	54	47	41		65	54	46	41		52	46	41		51	45	41		50	44	40
9	62	50	43	38		61	49	42	37		48	42	37		47	41	37		46	41	37
10	58	46	39	34		57	46	39	34		45	38	34		44	38	34		43	37	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	131381
5°	128800
10°	126825
15°	124528
20°	122390
25°	120444
30°	118085
35°	115141
40°	109332
45°	91171
50°	63993
55°	40254
60°	19155
65°	9706
70°	10396
75°	12290
80°	9574
85°	4986

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 91171 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1627.3	4.4
10°-20°	4716.4	12.8
20°-30°	7291.6	19.8
30°-40°	8941.9	24.2
40°-50°	7853.5	21.3
50°-60°	3661.8	9.9
60°-70°	951.3	2.6
70°-80°	767.8	2.1
80°-90°	275.2	0.7
90°-100°	178.1	0.5
100°-110°	244.7	0.7
110°-120°	141.0	0.4
120°-130°	77.3	0.2
130°-140°	58.3	0.2
140°-150°	49.6	0.1
150°-160°	36.1	0.1
160°-170°	18.3	0.0
170°-180°	4.8	0.0
0°-30°	13635.3	37.0
0°-40°	22577.1	61.2
0°-60°	34092.4	92.4
0°-90°	36086.7	97.8
90°-120°	563.8	1.5
90°-150°	749.0	2.0
90°-180°	808.0	2.2
0°-180°	36895.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17136	
5°	17084	###
15°	16690	4716
25°	15818	7292
35°	14353	8942
45°	10410	7853
55°	4035	3662
65°	808	951
75°	784	768
85°	211	237
90°	126	74
95°	156	142
105°	244	245
115°	137	141
125°	85	77
135°	74	58
145°	79	50
155°	79	36
165°	63	18
175°	49	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17136.2
2.5°	17122.5
5°	17084.2
7.5°	17034.8
10°	16974.6
12.5°	16851.3
15°	16689.7
17.5°	16511.6
20°	16300.6
22.5°	16081.5
25°	15818.5
27.5°	15508.9
30°	15171.9
32.5°	14832.2
35°	14352.8
37.5°	13774.7
40°	13106.3
42.5°	11837.8
45°	10410.5
47.5°	8659.9
50°	6887.4
52.5°	5320.3
55°	4035.4
57.5°	2838.2
60°	1764.3
62.5°	1024.6
65°	808.2
67.5°	756.1
70°	767.1
72.5°	797.2
75°	783.5
77.5°	687.6
80°	509.6
82.5°	328.8
85°	210.9
87.5°	153.4
90°	126.0
92.5°	134.2
95°	156.2
97.5°	189.0
100°	221.9
102.5°	243.8
105°	243.8
107.5°	227.4
110°	197.3



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	164.4
115°	137.0
117.5°	115.1
120°	101.4
122.5°	90.4
125°	84.9
127.5°	79.4
130°	76.7
132.5°	74.0
135°	74.0
137.5°	76.7
140°	76.7
142.5°	79.4
145°	79.4
147.5°	79.4
150°	79.4
152.5°	79.4
155°	79.4
157.5°	76.7
160°	71.2
162.5°	68.5
165°	63.0
167.5°	60.3
170°	54.8
172.5°	49.3
175°	49.3
177.5°	49.3
180°	49.3

(END OF REPORT)