

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: P980756

Luminaire Tested: UHBS2-2436-W-L83065-LOW-4000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980756
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-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

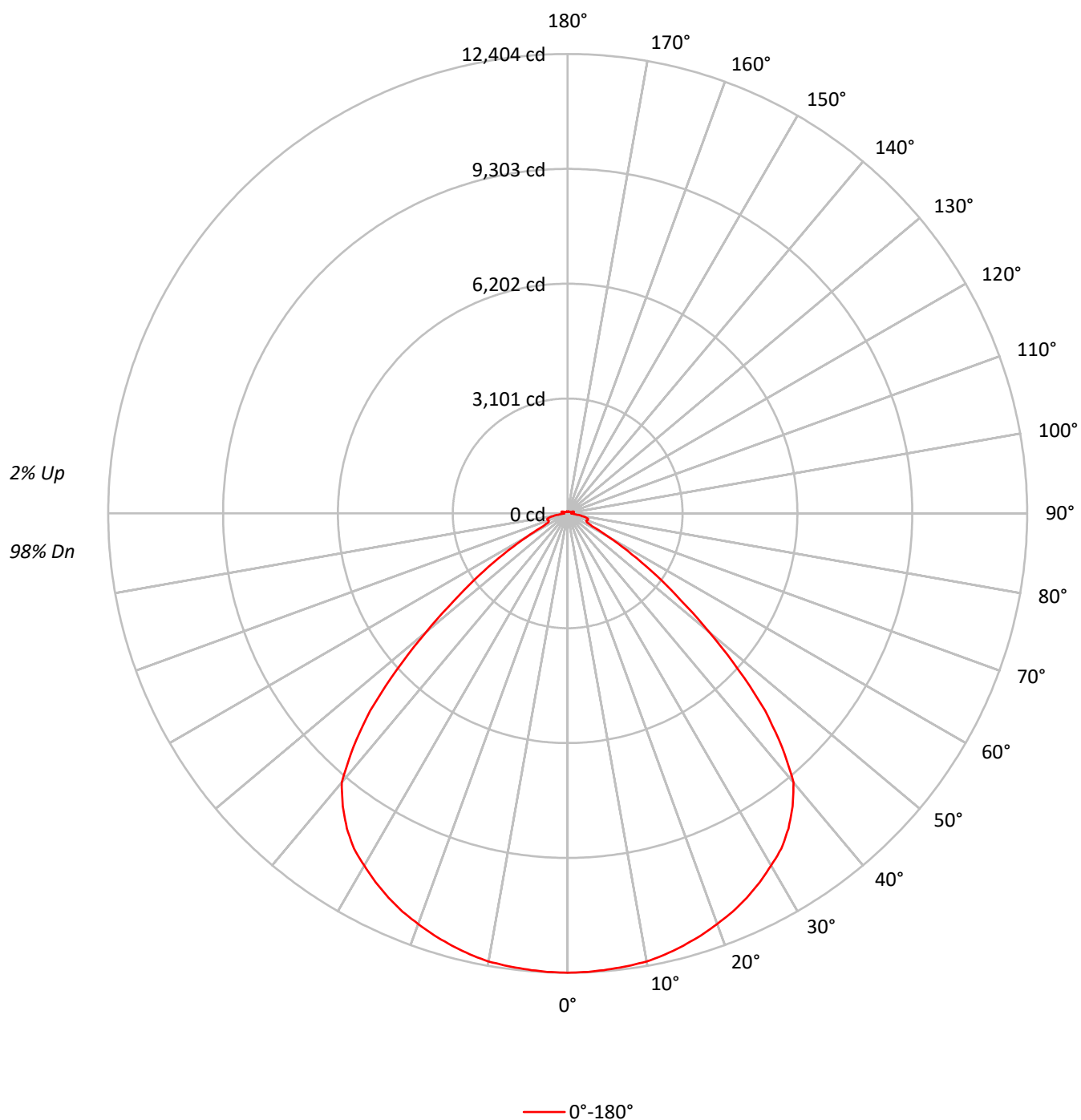
Lumens per Lamp: N/A
Luminaire Lumens: 26705.9 lumens
Efficiency: N/A
Efficacy: 174.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 152.8
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

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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					30					10					0
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°	95098
5°	93230
10°	91801
15°	90137
20°	88590
25°	87182
30°	85474
35°	83343
40°	79138
45°	65993
50°	46320
55°	29137
60°	13865
65°	7026
70°	7524
75°	8895
80°	6928
85°	3610

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65993 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1177.9	4.4
10°-20°	3413.9	12.8
20°-30°	5277.9	19.8
30°-40°	6472.5	24.2
40°-50°	5684.6	21.3
50°-60°	2650.5	9.9
60°-70°	688.6	2.6
70°-80°	555.8	2.1
80°-90°	199.2	0.7
90°-100°	128.9	0.5
100°-110°	177.1	0.7
110°-120°	102.1	0.4
120°-130°	56.0	0.2
130°-140°	42.2	0.2
140°-150°	35.9	0.1
150°-160°	26.1	0.1
160°-170°	13.2	0.0
170°-180°	3.5	0.0
0°-30°	9869.7	37.0
0°-40°	16342.2	61.2
0°-60°	24677.3	92.4
0°-90°	26120.9	97.8
90°-120°	408.1	1.5
90°-150°	542.2	2.0
90°-180°	585.0	2.2
0°-180°	26705.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12404	
5°	12366	###
15°	12081	3414
25°	11450	5278
35°	10389	6472
45°	7536	5685
55°	2921	2651
65°	585	689
75°	567	556
85°	153	172
90°	91	54
95°	113	103
105°	176	177
115°	99	102
125°	62	56
135°	54	42
145°	58	36
155°	58	26
165°	46	13
175°	36	3
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12403.8
2.5°	12393.9
5°	12366.2
7.5°	12330.5
10°	12286.8
12.5°	12197.6
15°	12080.6
17.5°	11951.7
20°	11799.0
22.5°	11640.4
25°	11450.0
27.5°	11225.9
30°	10982.0
32.5°	10736.1
35°	10389.1
37.5°	9970.7
40°	9486.8
42.5°	8568.7
45°	7535.5
47.5°	6268.3
50°	4985.3
52.5°	3851.0
55°	2921.0
57.5°	2054.4
60°	1277.1
62.5°	741.7
65°	585.0
67.5°	547.3
70°	555.2
72.5°	577.1
75°	567.1
77.5°	497.7
80°	368.8
82.5°	238.0
85°	152.7
87.5°	111.0
90°	91.2
92.5°	97.2
95°	113.0
97.5°	136.8
100°	160.6
102.5°	176.5
105°	176.5
107.5°	164.6
110°	142.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	119.0
115°	99.2
117.5°	83.3
120°	73.4
122.5°	65.4
125°	61.5
127.5°	57.5
130°	55.5
132.5°	53.5
135°	53.5
137.5°	55.5
140°	55.5
142.5°	57.5
145°	57.5
147.5°	57.5
150°	57.5
152.5°	57.5
155°	57.5
157.5°	55.5
160°	51.6
162.5°	49.6
165°	45.6
167.5°	43.6
170°	39.7
172.5°	35.7
175°	35.7
177.5°	35.7
180°	35.7

(END OF REPORT)