

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: P980750

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980750
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-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

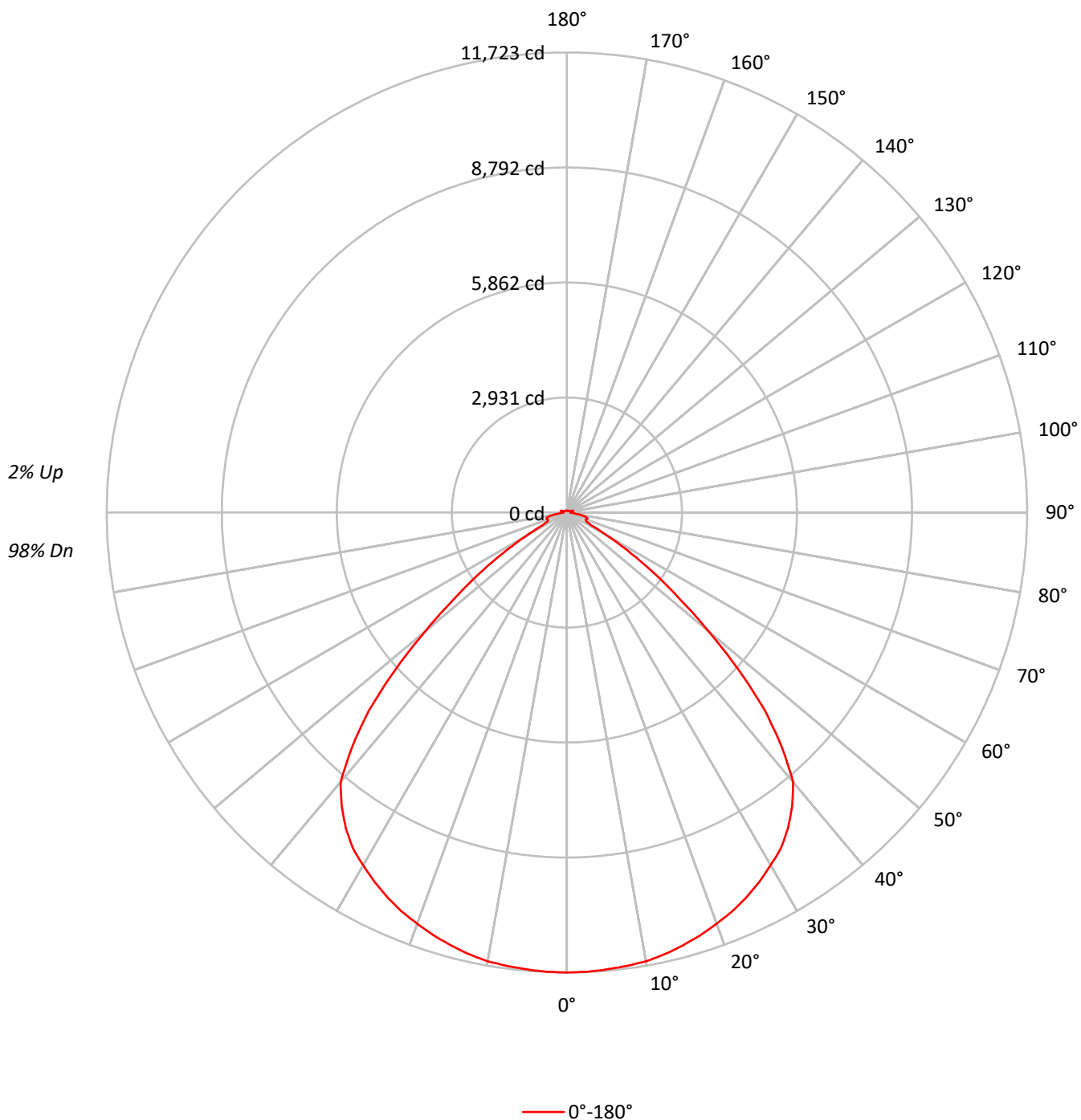
Lumens per Lamp: N/A
Luminaire Lumens: 25240.1 lumens
Efficiency: N/A
Efficacy: 161.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 156
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				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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100				98
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	90	89				87
2	103	96	91	86	100	94	89	85	90	86	83	87	84	81	84	81	79				77
3	95	87	80	75	93	85	79	74	82	77	72	79	75	71	76	73	69				67
4	88	78	71	65	86	77	70	65	74	68	64	72	67	63	70	65	62				60
5	82	71	63	58	80	70	63	57	68	61	57	66	60	56	64	59	55				53
6	76	65	57	51	74	64	56	51	62	55	50	60	54	50	58	53	49				47
7	71	59	51	46	69	58	51	46	57	50	45	55	49	45	54	48	44				43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	44	40				39
9	62	50	43	38	61	49	42	37	48	42	37	47	41	37	46	41	37				35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	34				32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89878
5°	88112
10°	86762
15°	85189
20°	83727
25°	82396
30°	80782
35°	78768
40°	74794
45°	62370
50°	43778
55°	27538
60°	13104
65°	6640
70°	7112
75°	8407
80°	6549
85°	3411

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62370 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1113.3	4.4
10°-20°	3226.5	12.8
20°-30°	4988.2	19.8
30°-40°	6117.2	24.2
40°-50°	5372.6	21.3
50°-60°	2505.1	9.9
60°-70°	650.8	2.6
70°-80°	525.3	2.1
80°-90°	188.3	0.7
90°-100°	121.8	0.5
100°-110°	167.4	0.7
110°-120°	96.5	0.4
120°-130°	52.9	0.2
130°-140°	39.9	0.2
140°-150°	34.0	0.1
150°-160°	24.7	0.1
160°-170°	12.5	0.0
170°-180°	3.3	0.0
0°-30°	9327.9	37.0
0°-40°	15445.1	61.2
0°-60°	23322.7	92.4
0°-90°	24687.1	97.8
90°-120°	385.6	1.5
90°-150°	512.4	2.0
90°-180°	553.0	2.2
0°-180°	25240.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11723	
5°	11687	###
15°	11417	3226
25°	10822	4988
35°	9819	6117
45°	7122	5373
55°	2761	2505
65°	553	651
75°	536	525
85°	144	162
90°	86	51
95°	107	97
105°	167	167
115°	94	96
125°	58	53
135°	51	40
145°	54	34
155°	54	25
165°	43	13
175°	34	3
180°	34	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11722.9
2.5°	11713.6
5°	11687.3
7.5°	11653.6
10°	11612.4
12.5°	11528.0
15°	11417.4
17.5°	11295.6
20°	11151.3
22.5°	11001.4
25°	10821.5
27.5°	10609.7
30°	10379.2
32.5°	10146.8
35°	9818.8
37.5°	9423.3
40°	8966.0
42.5°	8098.3
45°	7121.8
47.5°	5924.3
50°	4711.7
52.5°	3639.6
55°	2760.7
57.5°	1941.6
60°	1207.0
62.5°	700.9
65°	552.9
67.5°	517.3
70°	524.8
72.5°	545.4
75°	536.0
77.5°	470.4
80°	348.6
82.5°	224.9
85°	144.3
87.5°	105.0
90°	86.2
92.5°	91.8
95°	106.8
97.5°	129.3
100°	151.8
102.5°	166.8
105°	166.8
107.5°	155.6
110°	134.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	112.5
115°	93.7
117.5°	78.7
120°	69.3
122.5°	61.8
125°	58.1
127.5°	54.4
130°	52.5
132.5°	50.6
135°	50.6
137.5°	52.5
140°	52.5
142.5°	54.4
145°	54.4
147.5°	54.4
150°	54.4
152.5°	54.4
155°	54.4
157.5°	52.5
160°	48.7
162.5°	46.9
165°	43.1
167.5°	41.2
170°	37.5
172.5°	33.7
175°	33.7
177.5°	33.7
180°	33.7

(END OF REPORT)