

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: P980737

Luminaire Tested: UHBS2-2436-W-L83065-HIGH-3000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-W-L83065-HIGH-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

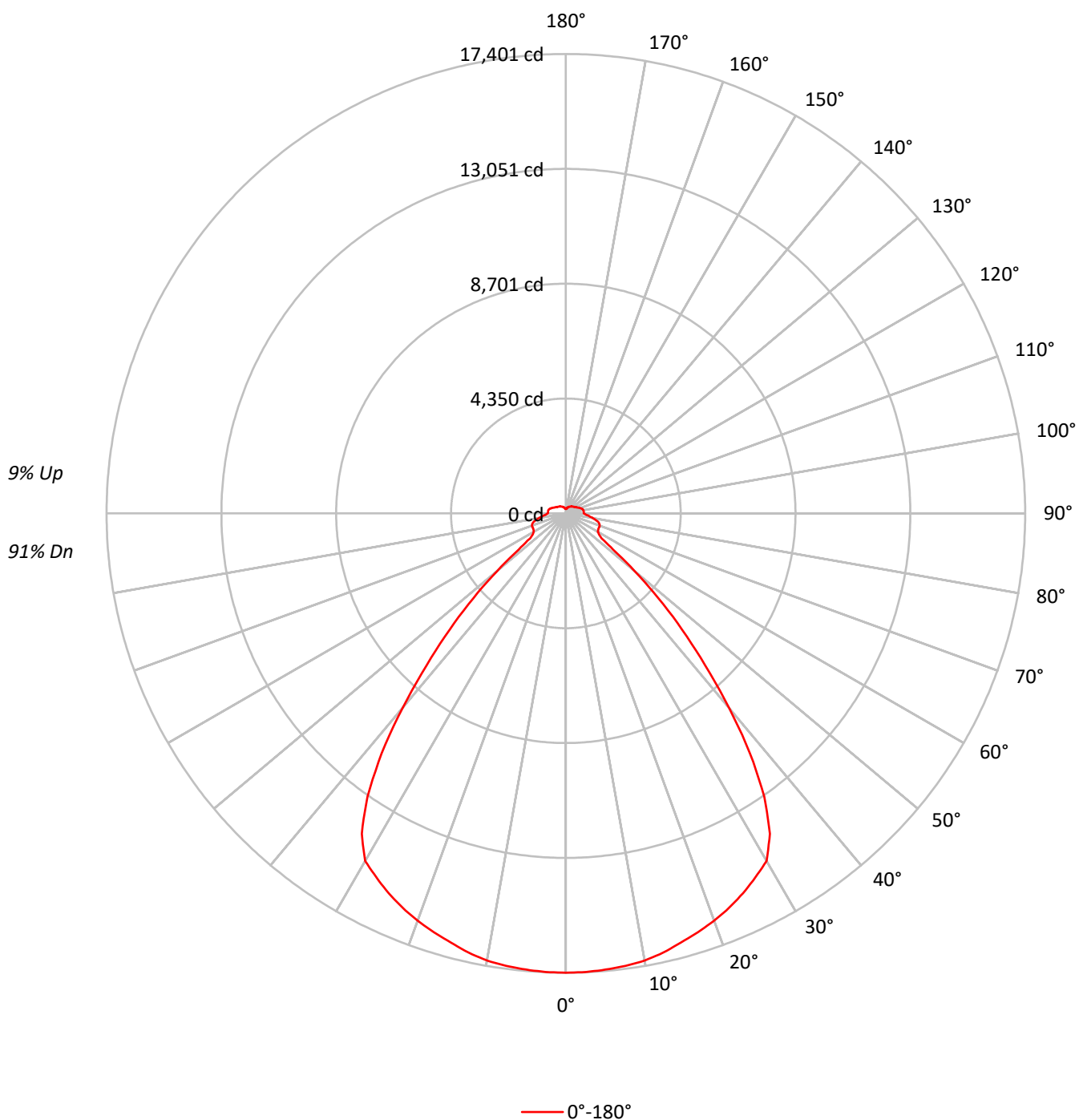
Lumens per Lamp: N/A
Luminaire Lumens: 34873.9 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

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
RCR																	
0	117	117	117	117	113	113	113	113	106	106	106		100	100	100		94
1	108	104	101	97	105	101	98	95	95	93	90		90	88	86		85
2	100	94	88	83	97	91	86	81	86	82	78		82	78	75		78
3	93	85	78	72	90	82	76	71	78	73	69		75	70	67		71
4	87	77	69	64	84	75	68	63	72	66	61		68	63	60		65
5	81	70	62	57	78	68	61	56	66	59	55		63	58	53		60
6	76	64	57	51	73	63	56	50	60	54	49		58	53	48		56
7	71	59	51	46	69	58	51	46	56	49	45		54	48	44		52
8	66	55	47	42	64	53	46	42	52	45	41		50	44	40		48
9	62	50	43	38	61	50	43	38	48	42	37		46	41	37		45
10	59	47	40	35	57	46	39	35	45	39	34		43	38	34		42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110060
5°	106123
10°	102662
15°	98780
20°	95474
25°	92222
30°	88854
35°	77679
40°	58316
45°	38863
50°	22145
55°	11311
60°	10143
65°	10597
70°	11533
75°	11874
80°	10976
85°	9899

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38863 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1651.5	4.7
10°-20°	4759.3	13.6
20°-30°	7320.7	21.0
30°-40°	7998.5	22.9
40°-50°	4832.1	13.9
50°-60°	1735.7	5.0
60°-70°	1362.5	3.9
70°-80°	1313.8	3.8
80°-90°	905.0	2.6
90°-100°	738.6	2.1
100°-110°	676.1	1.9
110°-120°	513.5	1.5
120°-130°	378.2	1.1
130°-140°	282.5	0.8
140°-150°	199.4	0.6
150°-160°	126.8	0.4
160°-170°	63.3	0.2
170°-180°	16.4	0.0
0°-30°	13731.5	39.4
0°-40°	21730.0	62.3
0°-60°	28297.8	81.1
0°-90°	31879.1	91.4
90°-120°	1928.2	5.5
90°-150°	2788.3	8.0
90°-180°	2995.0	8.6
0°-180°	34873.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17401	
5°	17347	###
15°	16833	4759
25°	15879	7321
35°	13107	7999
45°	6224	4832
55°	1659	1736
65°	1365	1362
75°	1270	1314
85°	811	712
90°	681	379
95°	676	553
105°	646	676
115°	514	513
125°	419	378
135°	365	283
145°	316	199
155°	273	127
165°	222	63
175°	168	16
180°	165	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17400.7
2.5°	17389.9
5°	17346.7
7.5°	17289.9
10°	17203.4
12.5°	17041.3
15°	16833.2
17.5°	16635.9
20°	16417.0
22.5°	16171.1
25°	15879.3
27.5°	15546.9
30°	15203.7
32.5°	14387.5
35°	13106.6
37.5°	11463.6
40°	9625.9
42.5°	7799.1
45°	6223.6
47.5°	4753.5
50°	3410.4
52.5°	2251.1
55°	1659.3
57.5°	1491.7
60°	1402.5
62.5°	1375.5
65°	1364.7
67.5°	1367.4
70°	1364.7
72.5°	1335.0
75°	1270.1
77.5°	1164.7
80°	1040.4
82.5°	918.8
85°	810.7
87.5°	729.6
90°	681.0
92.5°	675.6
95°	675.6
97.5°	678.3
100°	675.6
102.5°	664.8
105°	645.9
107.5°	616.1
110°	581.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	548.6
115°	513.5
117.5°	483.7
120°	459.4
122.5°	437.8
125°	418.9
127.5°	402.7
130°	389.1
132.5°	375.6
135°	364.8
137.5°	351.3
140°	340.5
142.5°	327.0
145°	316.2
147.5°	305.4
150°	294.6
152.5°	283.8
155°	272.9
157.5°	262.1
160°	248.6
162.5°	235.1
165°	221.6
167.5°	205.4
170°	189.2
172.5°	167.5
175°	167.5
177.5°	164.8
180°	164.8

(END OF REPORT)