

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: P980661

Luminaire Tested: UHBS2-2436-M-L83065-HIGH-3000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-HIGH-3000K-FRR3
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

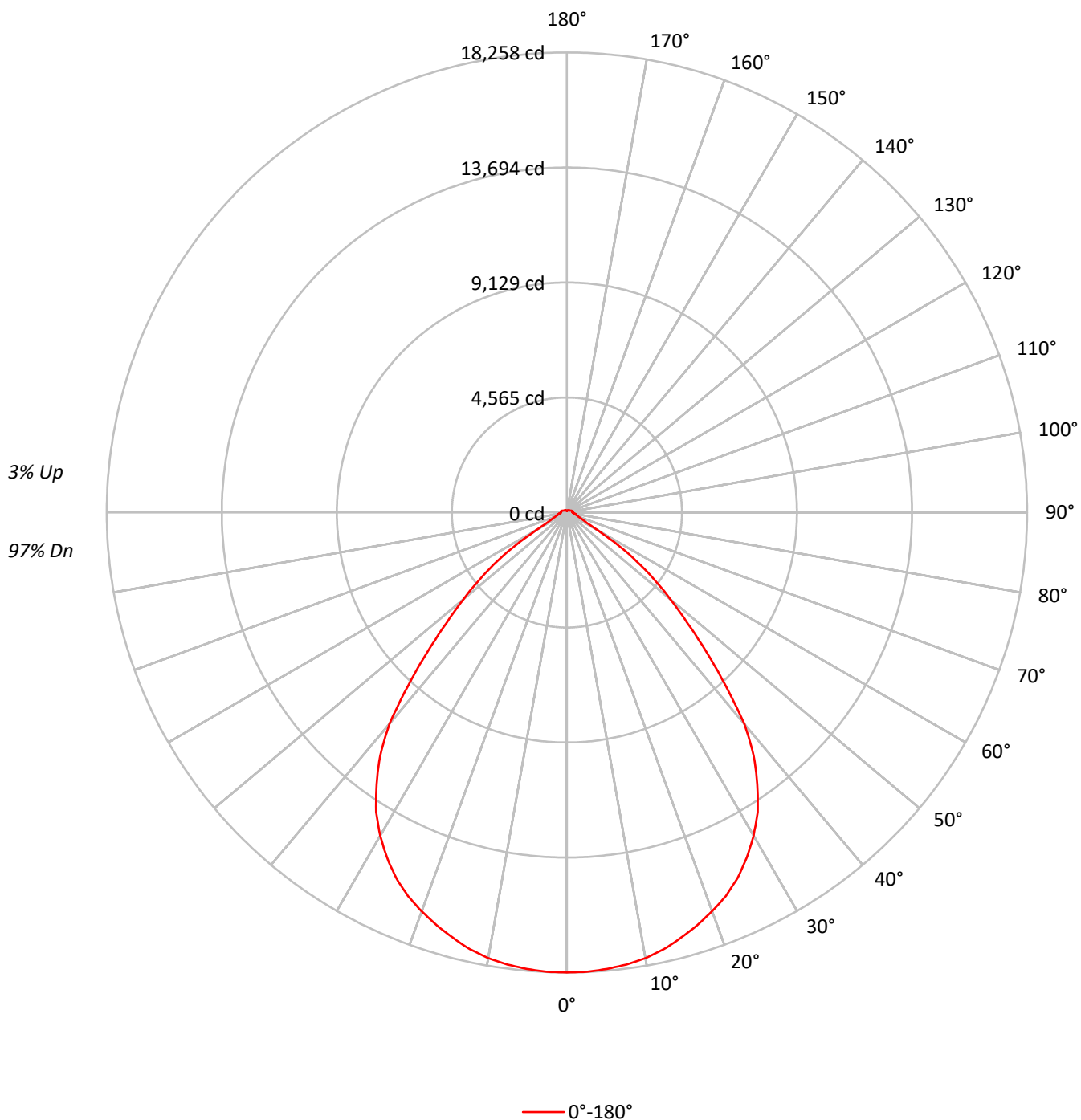
Lumens per Lamp: N/A
Luminaire Lumens: 33791.9 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

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
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109		104	104	104		99
1	111	107	104	101	108	105	102	99	100	98	96		96	94	92		92
2	103	97	92	87	101	95	90	86	91	87	84		87	84	81		84
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77
4	89	80	73	67	87	78	72	67	76	70	65		73	68	64		71
5	83	73	65	60	81	72	65	59	69	63	59		67	62	58		65
6	78	67	59	54	76	66	58	53	64	57	53		62	56	52		60
7	73	61	54	48	71	60	53	48	59	52	48		57	51	47		55
8	68	56	49	44	67	56	49	44	54	48	43		53	47	43		51
9	64	52	45	40	63	51	45	40	50	44	40		49	43	39		48
10	60	48	41	37	59	48	41	37	47	41	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	139984
5°	137095
10°	134172
15°	130372
20°	126464
25°	121947
30°	115260
35°	105652
40°	91398
45°	68353
50°	49799
55°	33776
60°	15105
65°	8607
70°	6678
75°	6201
80°	6237
85°	6477

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68353 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1728.8	5.1
10°-20°	4930.8	14.6
20°-30°	7351.1	21.8
30°-40°	8169.2	24.2
40°-50°	6087.5	18.0
50°-60°	3000.4	8.9
60°-70°	772.9	2.3
70°-80°	424.9	1.3
80°-90°	300.6	0.9
90°-100°	255.5	0.8
100°-110°	240.9	0.7
110°-120°	173.6	0.5
120°-130°	123.4	0.4
130°-140°	92.7	0.3
140°-150°	67.4	0.2
150°-160°	43.6	0.1
160°-170°	22.4	0.1
170°-180°	6.1	0.0
0°-30°	14010.8	41.5
0°-40°	22180.0	65.6
0°-60°	31267.9	92.5
0°-90°	32766.2	97.0
90°-120°	670.0	2.0
90°-150°	953.6	2.8
90°-180°	1026.0	3.0
0°-180°	33791.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18258	
5°	18184	###
15°	17473	4931
25°	16016	7351
35°	13170	8169
45°	7805	6087
55°	3386	3000
65°	717	773
75°	395	425
85°	274	236
90°	224	127
95°	234	193
105°	229	241
115°	174	174
125°	137	123
135°	119	93
145°	108	67
155°	95	44
165°	79	22
175°	61	6
180°	61	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18258.3
2.5°	18245.1
5°	18184.5
7.5°	18094.9
10°	17957.9
12.5°	17757.6
15°	17473.0
17.5°	17177.9
20°	16843.2
22.5°	16471.7
25°	16015.8
27.5°	15451.9
30°	14809.0
32.5°	14089.6
35°	13170.0
37.5°	12173.9
40°	10956.5
42.5°	9317.5
45°	7805.0
47.5°	6469.0
50°	5359.7
52.5°	4366.3
55°	3386.0
57.5°	2400.5
60°	1391.3
62.5°	885.4
65°	716.7
67.5°	590.3
70°	492.8
72.5°	440.1
75°	395.3
77.5°	361.0
80°	332.0
82.5°	303.0
85°	274.0
87.5°	247.7
90°	224.0
92.5°	229.2
95°	234.5
97.5°	239.8
100°	242.4
102.5°	239.8
105°	229.2
107.5°	218.7
110°	202.9



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	187.1
115°	173.9
117.5°	160.7
120°	150.2
122.5°	142.3
125°	137.0
127.5°	131.8
130°	126.5
132.5°	123.8
135°	118.6
137.5°	115.9
140°	113.3
142.5°	110.7
145°	108.0
147.5°	102.8
150°	100.1
152.5°	97.5
155°	94.9
157.5°	89.6
160°	87.0
162.5°	81.7
165°	79.1
167.5°	73.8
170°	68.5
172.5°	63.2
175°	60.6
177.5°	63.2
180°	60.6

(END OF REPORT)