

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: P980706

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-9)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-N-L83065-HIGH-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

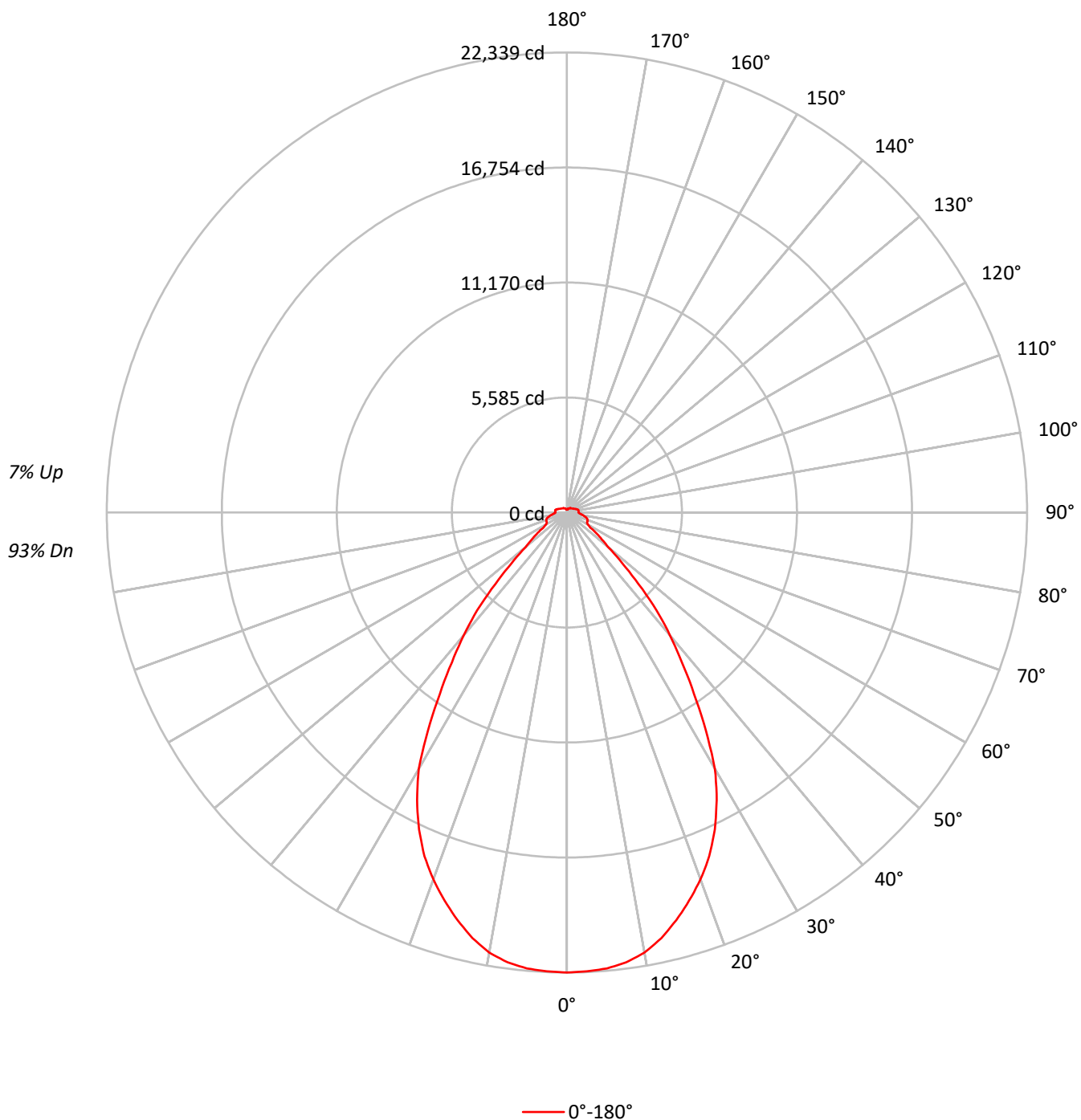
Lumens per Lamp: N/A
Luminaire Lumens: 33077.0 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

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	114	114	114	114	107	107	107		101	101	101		95
1	109	105	102	99	106	102	99	97	97	94	92		92	90	88		87
2	102	95	90	85	99	93	88	84	88	84	81		84	81	78		80
3	95	87	80	75	92	85	79	74	81	76	72		77	73	70		74
4	89	79	72	67	86	78	71	66	74	69	65		71	67	63		69
5	83	73	66	60	81	71	65	60	69	63	58		66	61	57		64
6	78	67	60	55	76	66	59	54	64	58	53		61	56	52		59
7	73	62	55	50	71	61	54	50	59	53	49		57	52	48		55
8	69	58	51	46	67	57	50	46	55	49	45		53	48	44		52
9	65	54	47	42	64	53	47	42	52	46	42		50	45	41		49
10	62	50	44	39	60	50	43	39	48	43	39		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	141294
5°	135953
10°	129480
15°	120298
20°	110279
25°	98648
30°	84014
35°	63781
40°	47155
45°	30664
50°	17003
55°	11724
60°	8479
65°	8374
70°	9044
75°	9125
80°	8401
85°	7833

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30664 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2104.9	6.4
10°-20°	5753.7	17.4
20°-30°	7744.6	23.4
30°-40°	6760.6	20.4
40°-50°	3855.9	11.7
50°-60°	1576.8	4.8
60°-70°	1087.4	3.3
70°-80°	1013.6	3.1
80°-90°	713.9	2.2
90°-100°	621.4	1.9
100°-110°	569.3	1.7
110°-120°	417.6	1.3
120°-130°	302.2	0.9
130°-140°	226.0	0.7
140°-150°	160.9	0.5
150°-160°	102.7	0.3
160°-170°	51.7	0.2
170°-180°	13.7	0.0
0°-30°	15603.2	47.2
0°-40°	22363.8	67.6
0°-60°	27796.5	84.0
0°-90°	30611.4	92.5
90°-120°	1608.3	4.9
90°-150°	2297.5	6.9
90°-180°	2466.0	7.5
0°-180°	33077.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22339	
5°	22223	###
15°	20500	5754
25°	16986	7745
35°	10762	6761
45°	4911	3856
55°	1720	1577
65°	1078	1087
75°	976	1014
85°	642	557
90°	558	311
95°	570	468
105°	545	569
115°	418	418
125°	335	302
135°	290	226
145°	254	161
155°	221	103
165°	182	52
175°	141	14
180°	138	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22338.8
2.5°	22302.9
5°	22222.7
7.5°	22034.7
10°	21697.3
12.5°	21172.0
15°	20500.1
17.5°	19753.5
20°	18962.7
22.5°	18061.3
25°	16985.7
27.5°	15749.7
30°	14375.5
32.5°	12547.8
35°	10761.6
37.5°	9177.2
40°	7783.6
42.5°	6445.3
45°	4910.7
47.5°	3649.9
50°	2618.5
52.5°	2140.1
55°	1719.9
57.5°	1332.8
60°	1172.4
62.5°	1103.3
65°	1078.4
67.5°	1081.1
70°	1070.1
72.5°	1036.9
75°	976.1
77.5°	890.3
80°	796.3
82.5°	713.4
85°	641.5
87.5°	586.2
90°	558.5
92.5°	564.1
95°	569.6
97.5°	577.9
100°	575.1
102.5°	564.1
105°	544.7
107.5°	514.3
110°	481.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	447.9
115°	417.5
117.5°	389.9
120°	367.8
122.5°	351.2
125°	334.6
127.5°	320.7
130°	309.7
132.5°	301.4
135°	290.3
137.5°	282.0
140°	273.7
142.5°	265.4
145°	254.4
147.5°	246.1
150°	237.8
152.5°	229.5
155°	221.2
157.5°	212.9
160°	201.8
162.5°	190.8
165°	182.5
167.5°	168.7
170°	154.8
172.5°	141.0
175°	141.0
177.5°	138.3
180°	138.3

(END OF REPORT)