

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: P980691

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980691
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-MID-3000K-FRR3
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

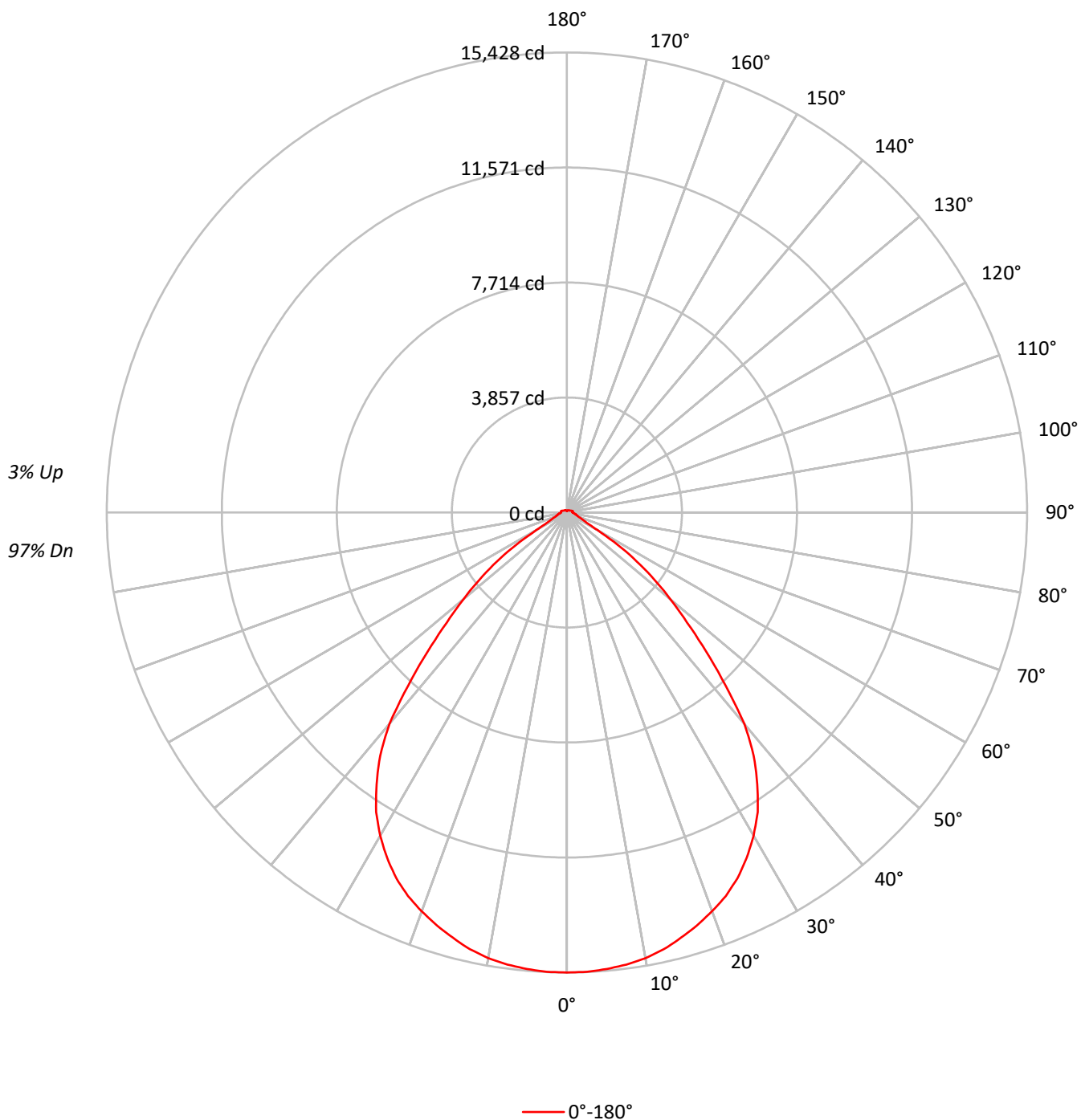
Lumens per Lamp: N/A
Luminaire Lumens: 28554.0 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 194.6
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
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°	118285
5°	115845
10°	113375
15°	110164
20°	106861
25°	103044
30°	97394
35°	89275
40°	77231
45°	57758
50°	42079
55°	28541
60°	12763
65°	7273
70°	5643
75°	5239
80°	5271
85°	5475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57758 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1460.8	5.1
10°-20°	4166.5	14.6
20°-30°	6211.7	21.8
30°-40°	6903.0	24.2
40°-50°	5143.9	18.0
50°-60°	2535.3	8.9
60°-70°	653.1	2.3
70°-80°	359.0	1.3
80°-90°	254.1	0.9
90°-100°	215.9	0.8
100°-110°	203.6	0.7
110°-120°	146.7	0.5
120°-130°	104.3	0.4
130°-140°	78.4	0.3
140°-150°	57.0	0.2
150°-160°	36.9	0.1
160°-170°	18.9	0.1
170°-180°	5.1	0.0
0°-30°	11839.0	41.5
0°-40°	18742.0	65.6
0°-60°	26421.2	92.5
0°-90°	27687.3	97.0
90°-120°	566.2	2.0
90°-150°	805.8	2.8
90°-180°	867.0	3.0
0°-180°	28554.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15428	
5°	15366	###
15°	14765	4166
25°	13533	6212
35°	11128	6903
45°	6595	5144
55°	2861	2535
65°	606	653
75°	334	359
85°	232	199
90°	189	107
95°	198	163
105°	194	204
115°	147	147
125°	116	104
135°	100	78
145°	91	57
155°	80	37
165°	67	19
175°	51	5
180°	51	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15428.1
2.5°	15417.0
5°	15365.8
7.5°	15290.0
10°	15174.3
12.5°	15005.0
15°	14764.6
17.5°	14515.2
20°	14232.4
22.5°	13918.5
25°	13533.3
27.5°	13056.8
30°	12513.5
32.5°	11905.6
35°	11128.5
37.5°	10286.9
40°	9258.2
42.5°	7873.3
45°	6595.2
47.5°	5466.3
50°	4528.9
52.5°	3689.5
55°	2861.2
57.5°	2028.4
60°	1175.6
62.5°	748.1
65°	605.6
67.5°	498.8
70°	416.4
72.5°	371.8
75°	334.0
77.5°	305.0
80°	280.6
82.5°	256.1
85°	231.6
87.5°	209.3
90°	189.3
92.5°	193.7
95°	198.2
97.5°	202.6
100°	204.8
102.5°	202.6
105°	193.7
107.5°	184.8
110°	171.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	158.1
115°	147.0
117.5°	135.8
120°	126.9
122.5°	120.2
125°	115.8
127.5°	111.3
130°	106.9
132.5°	104.7
135°	100.2
137.5°	98.0
140°	95.7
142.5°	93.5
145°	91.3
147.5°	86.8
150°	84.6
152.5°	82.4
155°	80.2
157.5°	75.7
160°	73.5
162.5°	69.0
165°	66.8
167.5°	62.3
170°	57.9
172.5°	53.4
175°	51.2
177.5°	53.4
180°	51.2

(END OF REPORT)