

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: P980772

Luminaire Tested: UHBS2-2436-W-L83065-MID-4000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-W-L83065-MID-4000K-FRR3
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

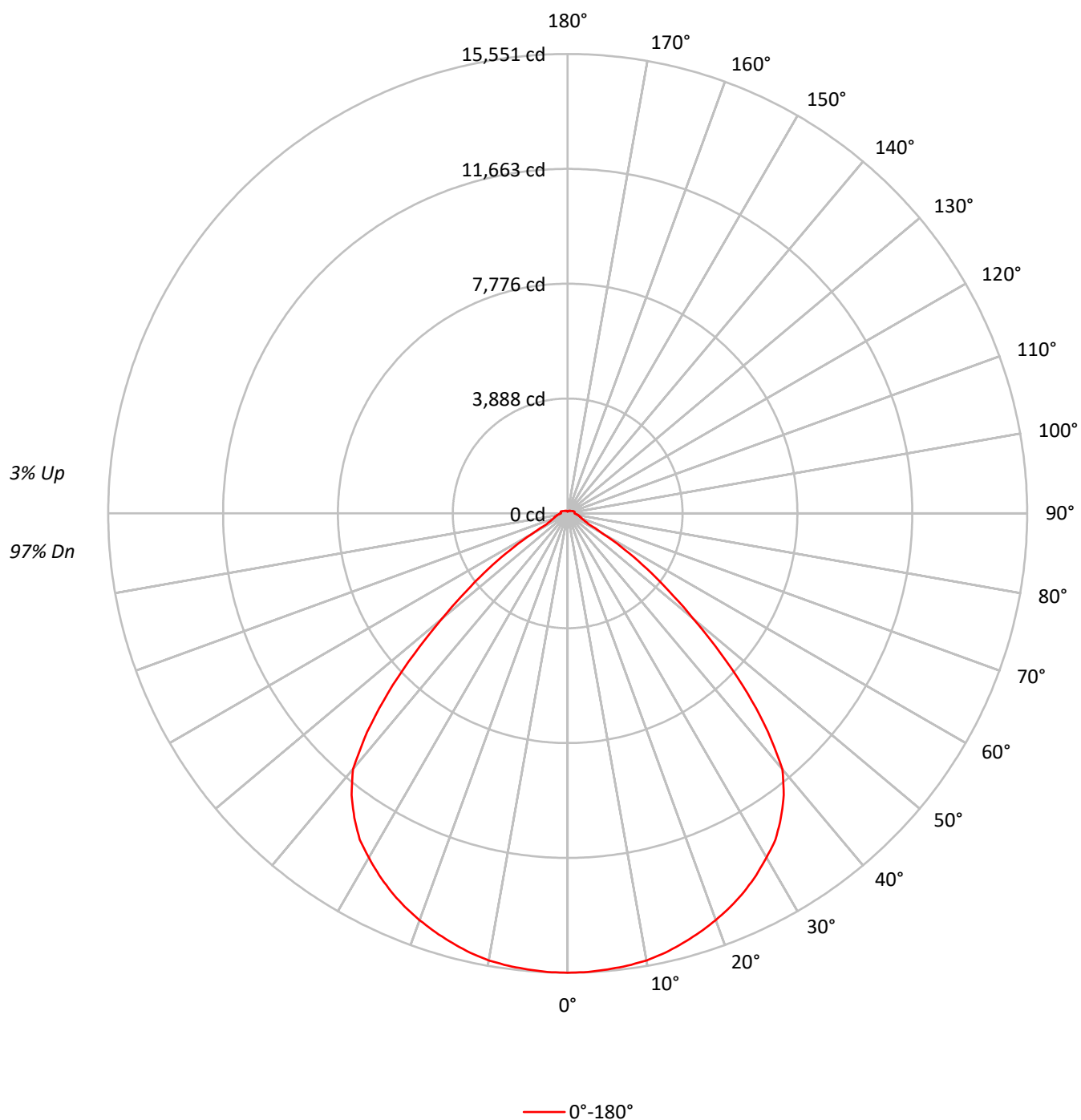
Lumens per Lamp: N/A
Luminaire Lumens: 32166.0 lumens
Efficiency: N/A
Efficacy: 169.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 190
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	30	10
RCR																	
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	88
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78
3	95	87	80	75	93	85	79	74	82	77	73	79	75	71	76	73	70
4	89	79	72	66	86	77	71	65	75	69	64	72	67	63	70	65	62
5	82	72	64	58	80	70	63	58	68	62	57	66	60	56	64	59	55
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	59	54	50
7	72	60	52	47	70	59	52	46	57	51	46	56	50	45	54	49	45
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50	45	41
9	63	51	43	38	61	50	43	38	49	42	38	47	42	38	46	41	37
10	59	47	40	35	58	46	40	35	45	39	35	44	38	34	43	38	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119230
5°	116838
10°	114806
15°	112395
20°	110026
25°	107621
30°	104733
35°	100946
40°	94310
45°	75368
50°	51503
55°	32621
60°	15356
65°	8141
70°	6974
75°	6770
80°	6780
85°	6917

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 75368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1475.4	4.6
10°-20°	4254.6	13.2
20°-30°	6511.3	20.2
30°-40°	7837.2	24.4
40°-50°	6541.9	20.3
50°-60°	2964.2	9.2
60°-70°	752.7	2.3
70°-80°	458.3	1.4
80°-90°	319.8	1.0
90°-100°	258.1	0.8
100°-110°	243.3	0.8
110°-120°	181.0	0.6
120°-130°	129.1	0.4
130°-140°	96.9	0.3
140°-150°	69.5	0.2
150°-160°	44.5	0.1
160°-170°	22.4	0.1
170°-180°	6.0	0.0
0°-30°	12241.3	38.1
0°-40°	20078.5	62.4
0°-60°	29584.6	92.0
0°-90°	31115.3	96.7
90°-120°	682.3	2.1
90°-150°	977.8	3.0
90°-180°	1051.0	3.3
0°-180°	32166.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15551	
5°	15498	###
15°	15064	4255
25°	14134	6511
35°	12583	7837
45°	8606	6542
55°	3270	2964
65°	678	753
75°	432	458
85°	293	253
90°	229	130
95°	236	195
105°	232	243
115°	180	181
125°	144	129
135°	124	97
145°	110	69
155°	95	45
165°	78	22
175°	61	6
180°	58	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15551.3
2.5°	15539.1
5°	15497.6
7.5°	15446.4
10°	15365.9
12.5°	15239.1
15°	15063.6
17.5°	14870.9
20°	14653.9
22.5°	14410.0
25°	14134.4
27.5°	13810.1
30°	13456.5
32.5°	13093.1
35°	12583.4
37.5°	12012.8
40°	11305.6
42.5°	10039.9
45°	8606.0
47.5°	7038.0
50°	5543.1
52.5°	4318.9
55°	3270.2
57.5°	2304.5
60°	1414.4
62.5°	824.3
65°	677.9
67.5°	585.3
70°	514.6
72.5°	470.7
75°	431.6
77.5°	395.1
80°	360.9
82.5°	326.8
85°	292.6
87.5°	258.5
90°	229.2
92.5°	231.7
95°	236.5
97.5°	241.4
100°	243.9
102.5°	239.0
105°	231.7
107.5°	221.9
110°	209.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	195.1
115°	180.5
117.5°	168.3
120°	158.5
122.5°	148.8
125°	143.9
127.5°	136.6
130°	131.7
132.5°	129.2
135°	124.4
137.5°	121.9
140°	117.1
142.5°	114.6
145°	109.7
147.5°	107.3
150°	102.4
152.5°	100.0
155°	95.1
157.5°	92.7
160°	87.8
162.5°	82.9
165°	78.0
167.5°	73.2
170°	68.3
172.5°	61.0
175°	61.0
177.5°	61.0
180°	58.5

(END OF REPORT)