

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: P980728

Luminaire Tested: UHBS2-2436-N-L83065-MID-3500K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980728
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-MID-3500K-FRR6
Description: UHBS2 LED High Bay at 3500K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

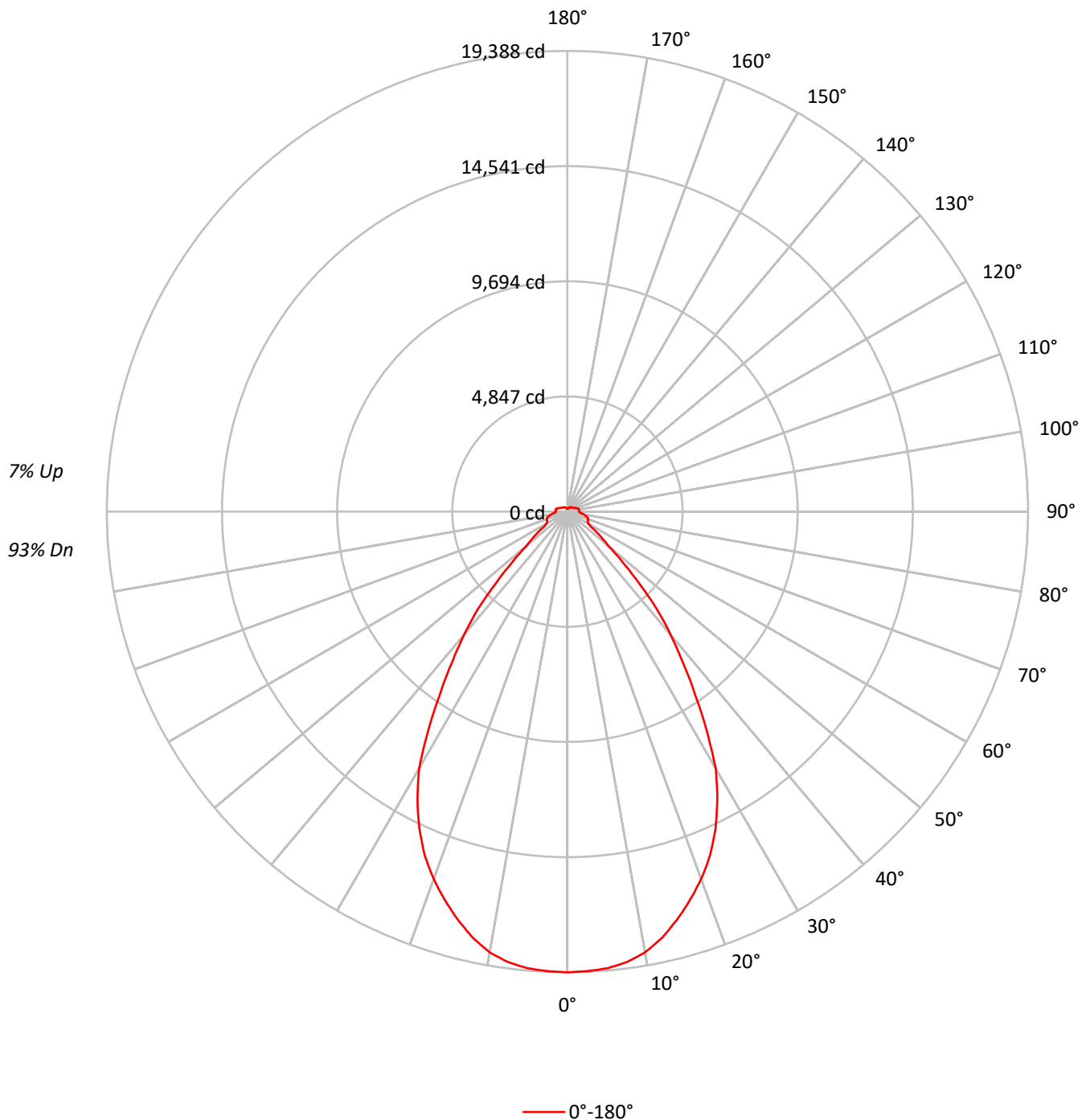
Lumens per Lamp: N/A
Luminaire Lumens: 28708.1 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 192.4
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	95	95	93
1	109	105	102	99	106	102	99	97	97	94	92	92	90	88	87	86	84	84	82	82
2	102	95	90	85	99	93	88	84	88	84	81	84	81	78	80	78	75	75	73	73
3	95	87	80	75	92	85	79	74	81	76	72	77	73	70	74	71	68	68	66	66
4	89	79	72	67	86	78	71	66	74	69	65	71	67	63	69	65	62	62	59	59
5	83	73	66	60	81	71	65	60	69	63	58	66	61	57	64	59	56	56	54	54
6	78	67	60	55	76	66	59	54	64	58	53	61	56	52	59	55	51	51	49	49
7	73	62	55	50	71	61	54	50	59	53	49	57	52	48	55	51	47	47	45	45
8	69	58	51	46	67	57	50	46	55	49	45	53	48	44	52	47	44	44	42	42
9	65	54	47	42	64	53	47	42	52	46	42	50	45	41	49	44	40	40	39	39
10	62	50	44	39	60	50	43	39	48	43	39	47	42	38	46	41	38	38	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	122632
5°	117995
10°	112377
15°	104408
20°	95712
25°	85618
30°	72917
35°	55356
40°	40926
45°	26614
50°	14757
55°	10176
60°	7359
65°	7267
70°	7849
75°	7919
80°	7291
85°	6799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26614 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1826.9	6.4
10°-20°	4993.7	17.4
20°-30°	6721.7	23.4
30°-40°	5867.6	20.4
40°-50°	3346.6	11.7
50°-60°	1368.5	4.8
60°-70°	943.7	3.3
70°-80°	879.7	3.1
80°-90°	619.6	2.2
90°-100°	539.4	1.9
100°-110°	494.2	1.7
110°-120°	362.4	1.3
120°-130°	262.3	0.9
130°-140°	196.2	0.7
140°-150°	139.7	0.5
150°-160°	89.1	0.3
160°-170°	44.9	0.2
170°-180°	11.9	0.0
0°-30°	13542.3	47.2
0°-40°	19409.9	67.6
0°-60°	24125.0	84.0
0°-90°	26568.0	92.5
90°-120°	1396.0	4.9
90°-150°	1994.2	6.9
90°-180°	2140.0	7.5
0°-180°	28708.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19388	
5°	19287	###
15°	17792	4994
25°	14742	6722
35°	9340	5868
45°	4262	3347
55°	1493	1369
65°	936	944
75°	847	880
85°	557	483
90°	485	270
95°	494	406
105°	473	494
115°	362	362
125°	290	262
135°	252	196
145°	221	140
155°	192	89
165°	158	45
175°	122	12
180°	120	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19388.2
2.5°	19357.0
5°	19287.4
7.5°	19124.2
10°	18831.4
12.5°	18375.5
15°	17792.3
17.5°	17144.4
20°	16458.0
22.5°	15675.7
25°	14742.1
27.5°	13669.4
30°	12476.7
32.5°	10890.4
35°	9340.1
37.5°	7965.0
40°	6755.5
42.5°	5594.0
45°	4262.1
47.5°	3167.8
50°	2272.6
52.5°	1857.5
55°	1492.7
57.5°	1156.7
60°	1017.5
62.5°	957.5
65°	935.9
67.5°	938.3
70°	928.7
72.5°	899.9
75°	847.1
77.5°	772.7
80°	691.1
82.5°	619.2
85°	556.8
87.5°	508.8
90°	484.8
92.5°	489.6
95°	494.4
97.5°	501.6
100°	499.2
102.5°	489.6
105°	472.8
107.5°	446.4
110°	417.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	388.8
115°	362.4
117.5°	338.4
120°	319.2
122.5°	304.8
125°	290.4
127.5°	278.4
130°	268.8
132.5°	261.6
135°	252.0
137.5°	244.8
140°	237.6
142.5°	230.4
145°	220.8
147.5°	213.6
150°	206.4
152.5°	199.2
155°	192.0
157.5°	184.8
160°	175.2
162.5°	165.6
165°	158.4
167.5°	146.4
170°	134.4
172.5°	122.4
175°	122.4
177.5°	120.0
180°	120.0

(END OF REPORT)