

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: P980708

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980708
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-3500K-FRR6
Description: UHBS2 LED High Bay at 3500K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

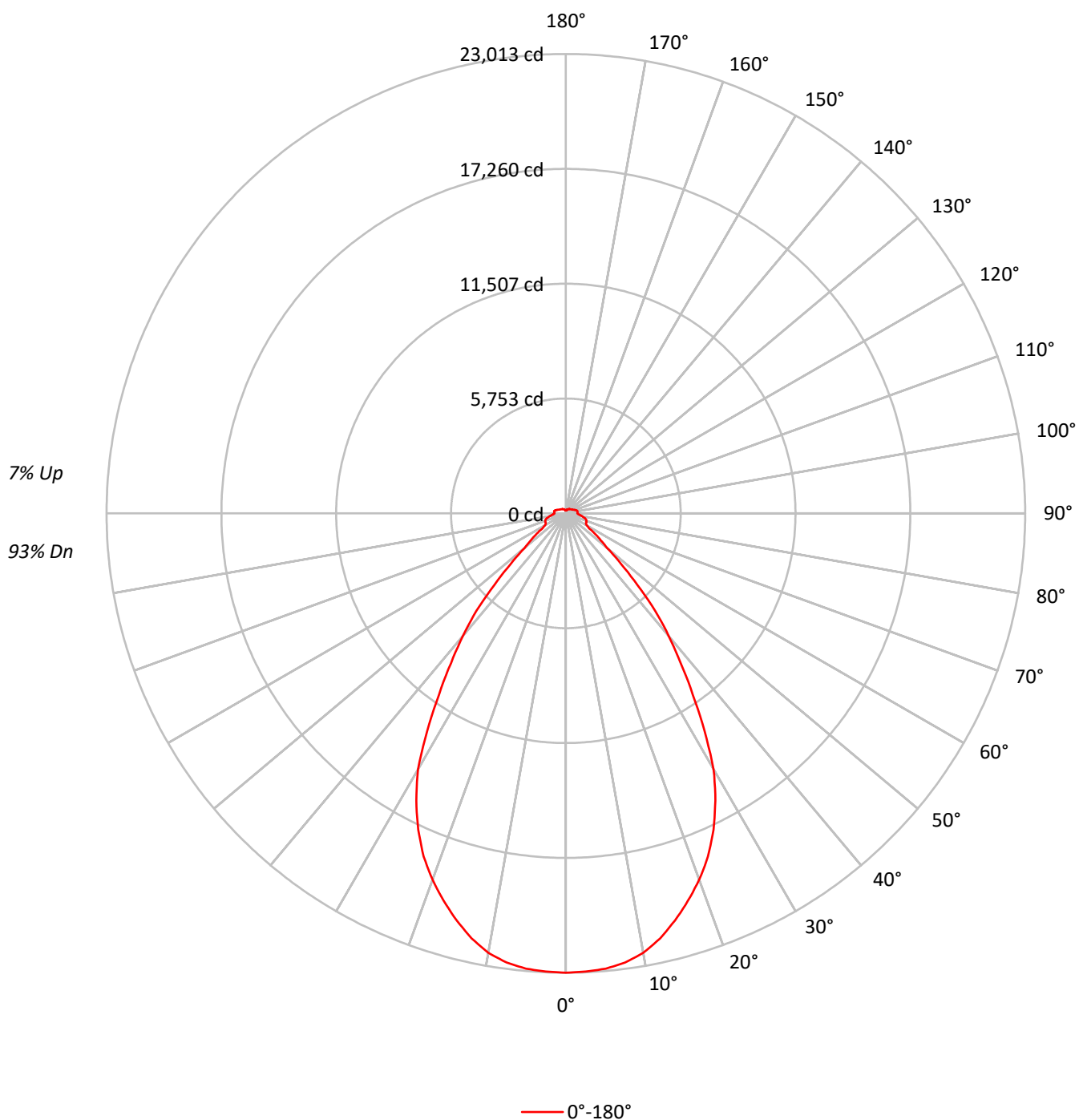
Lumens per Lamp: N/A
Luminaire Lumens: 34075.0 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.03 / 1.03 / 1.01
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 235.5
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

TEST NUMBER: P980708

CATALOG NUMBER: UHBS2-2436-N-L83065-HIGH-3500K-FRR6

Luminous Intensity Polar Plot



TEST NUMBER: P980708

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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°	145557
5°	140055
10°	133387
15°	123927
20°	113606
25°	101624
30°	86549
35°	65705
40°	48578
45°	31590
50°	17516
55°	12078
60°	8735
65°	8626
70°	9317
75°	9400
80°	8655
85°	8069

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31590 cd/sqm

TEST NUMBER: P980708

CATALOG NUMBER: UHBS2-2436-N-L83065-HIGH-3500K-FRR6

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2168.4	6.4
10°-20°	5927.3	17.4
20°-30°	7978.3	23.4
30°-40°	6964.6	20.4
40°-50°	3972.2	11.7
50°-60°	1624.4	4.8
60°-70°	1120.2	3.3
70°-80°	1044.2	3.1
80°-90°	735.4	2.2
90°-100°	640.2	1.9
100°-110°	586.5	1.7
110°-120°	430.1	1.3
120°-130°	311.3	0.9
130°-140°	232.9	0.7
140°-150°	165.8	0.5
150°-160°	105.8	0.3
160°-170°	53.3	0.2
170°-180°	14.1	0.0
0°-30°	16074.0	47.2
0°-40°	23038.6	67.6
0°-60°	28635.2	84.0
0°-90°	31535.0	92.5
90°-120°	1656.8	4.9
90°-150°	2366.8	6.9
90°-180°	2540.0	7.5
0°-180°	34075.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23013	
5°	22893	###
15°	21119	5927
25°	17498	7978
35°	11086	6965
45°	5059	3972
55°	1772	1624
65°	1111	1120
75°	1006	1044
85°	661	574
90°	575	320
95°	587	482
105°	561	586
115°	430	430
125°	345	311
135°	299	233
145°	262	166
155°	228	106
165°	188	53
175°	145	14
180°	142	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23012.8
2.5°	22975.8
5°	22893.2
7.5°	22699.5
10°	22352.0
12.5°	21810.8
15°	21118.6
17.5°	20349.5
20°	19534.9
22.5°	18606.3
25°	17498.2
27.5°	16224.9
30°	14809.2
32.5°	12926.4
35°	11086.3
37.5°	9454.1
40°	8018.5
42.5°	6639.8
45°	5058.9
47.5°	3760.0
50°	2697.5
52.5°	2204.7
55°	1771.8
57.5°	1373.0
60°	1207.8
62.5°	1136.5
65°	1110.9
67.5°	1113.8
70°	1102.4
72.5°	1068.2
75°	1005.5
77.5°	917.2
80°	820.4
82.5°	734.9
85°	660.8
87.5°	603.9
90°	575.4
92.5°	581.1
95°	586.8
97.5°	595.3
100°	592.5
102.5°	581.1
105°	561.1
107.5°	529.8
110°	495.6



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	461.5
115°	430.1
117.5°	401.6
120°	378.8
122.5°	361.8
125°	344.7
127.5°	330.4
130°	319.0
132.5°	310.5
135°	299.1
137.5°	290.5
140°	282.0
142.5°	273.5
145°	262.1
147.5°	253.5
150°	245.0
152.5°	236.4
155°	227.9
157.5°	219.3
160°	207.9
162.5°	196.5
165°	188.0
167.5°	173.8
170°	159.5
172.5°	145.3
175°	145.3
177.5°	142.4
180°	142.4

(END OF REPORT)