

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: P980662

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-8)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-HIGH-3000K-FRR6
Description: UHBS2 LED High Bay at 3000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

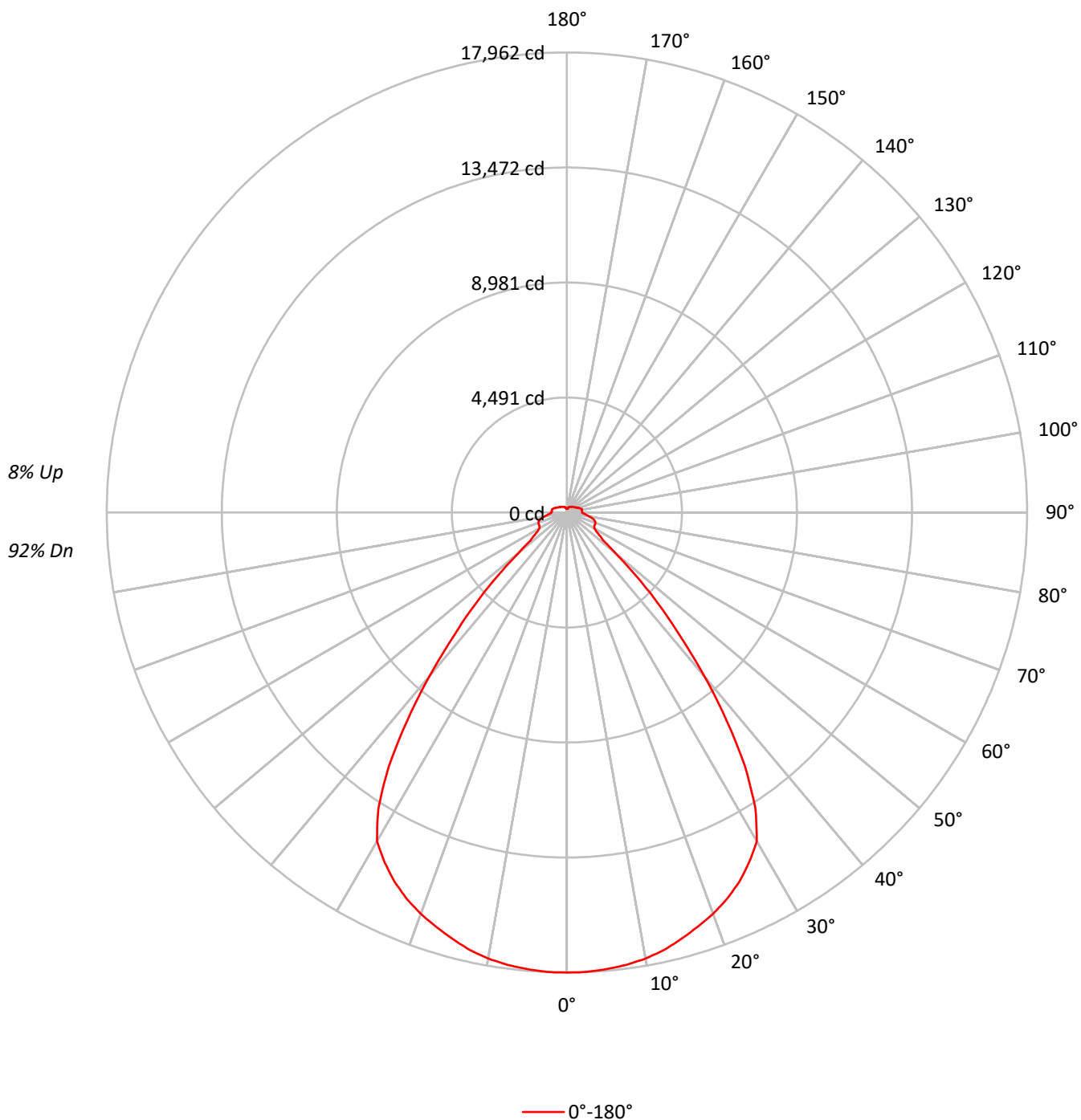
Lumens per Lamp: N/A
Luminaire Lumens: 32393.9 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

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

TEST NUMBER: P980662

CATALOG NUMBER: UHBS2-2436-M-L83065-HIGH-3000K-FRR6

Luminous Intensity Polar Plot



TEST NUMBER: P980662

CATALOG NUMBER: UHBS2-2436-M-L83065-HIGH-3000K-FRR6

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	113	113	113	113	107	107	107		100	100	100		95
1	109	105	101	98	105	102	98	96	96	93	91		91	89	87		86
2	101	94	89	84	98	92	87	83	87	83	79		83	80	77		79
3	94	86	79	74	91	83	77	73	80	74	70		76	72	68		72
4	88	78	71	65	85	76	70	64	73	67	63		70	65	61		67
5	82	71	64	58	80	70	63	58	67	61	57		64	59	55		62
6	77	66	58	53	75	64	57	52	62	56	51		60	54	50		57
7	72	61	53	48	70	59	52	47	57	51	47		55	50	46		53
8	68	56	49	44	66	55	48	43	53	47	43		51	46	42		50
9	64	52	45	40	62	51	44	40	50	43	39		48	43	39		47
10	60	48	42	37	59	48	41	37	46	40	36		45	40	36		44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113611
5°	109492
10°	105543
15°	101183
20°	96977
25°	92399
30°	86638
35°	71877
40°	50543
45°	31522
50°	16038
55°	10545
60°	8969
65°	9228
70°	10001
75°	10219
80°	9465
85°	8594

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31522 cd/sqm

TEST NUMBER: P980662

CATALOG NUMBER: UHBS2-2436-M-L83065-HIGH-3000K-FRR6

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1701.8	5.3
10°-20°	4866.4	15.0
20°-30°	7310.7	22.6
30°-40°	7403.2	22.9
40°-50°	3939.6	12.2
50°-60°	1456.3	4.5
60°-70°	1189.7	3.7
70°-80°	1133.1	3.5
80°-90°	783.7	2.4
90°-100°	648.7	2.0
100°-110°	592.5	1.8
110°-120°	445.3	1.4
120°-130°	326.9	1.0
130°-140°	244.3	0.8
140°-150°	172.7	0.5
150°-160°	109.8	0.3
160°-170°	54.8	0.2
170°-180°	14.2	0.0
0°-30°	13879.0	42.8
0°-40°	21282.2	65.7
0°-60°	26678.1	82.4
0°-90°	29784.6	91.9
90°-120°	1686.6	5.2
90°-150°	2430.5	7.5
90°-180°	2609.0	8.1
0°-180°	32393.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17962	
5°	17898	###
15°	17243	4866
25°	15910	7311
35°	12128	7403
45°	5048	3940
55°	1547	1456
65°	1188	1190
75°	1093	1133
85°	704	616
90°	593	330
95°	596	487
105°	565	593
115°	446	445
125°	361	327
135°	314	244
145°	273	173
155°	237	110
165°	191	55
175°	144	14
180°	142	



TEST NUMBER: P980662

CATALOG NUMBER: UHBS2-2436-M-L83065-HIGH-3000K-FRR6

CANDELA DISTRIBUTION (FULL):

0°	
0°	17962.0
2.5°	17954.3
5°	17897.5
7.5°	17812.5
10°	17686.1
12.5°	17495.3
15°	17242.7
17.5°	16961.7
20°	16675.5
22.5°	16330.0
25°	15909.8
27.5°	15404.5
30°	14824.4
32.5°	13697.7
35°	12127.6
37.5°	10248.2
40°	8342.9
42.5°	6545.9
45°	5048.0
47.5°	3666.1
50°	2469.9
52.5°	1781.5
55°	1546.9
57.5°	1351.0
60°	1240.1
62.5°	1204.0
65°	1188.5
67.5°	1191.1
70°	1183.4
72.5°	1155.0
75°	1093.1
77.5°	1000.3
80°	897.2
82.5°	794.1
85°	703.8
87.5°	631.6
90°	593.0
92.5°	590.4
95°	595.6
97.5°	598.1
100°	595.6
102.5°	585.2
105°	564.6
107.5°	538.8
110°	505.3

TEST NUMBER: P980662

CATALOG NUMBER: UHBS2-2436-M-L83065-HIGH-3000K-FRR6

CANDELA DISTRIBUTION (continued):

	0°
112.5°	474.4
115°	446.0
117.5°	420.2
120°	397.0
122.5°	379.0
125°	360.9
127.5°	348.1
130°	337.7
132.5°	324.8
135°	314.5
137.5°	304.2
140°	293.9
142.5°	283.6
145°	273.3
147.5°	265.5
150°	255.2
152.5°	247.5
155°	237.2
157.5°	224.3
160°	214.0
162.5°	203.7
165°	190.8
167.5°	180.5
170°	162.4
172.5°	147.0
175°	144.4
177.5°	144.4
180°	141.8

(END OF REPORT)