

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: P980763

Luminaire Tested: UHBS2-2436-W-L83065-LOW-6500K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980763
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-LOW-6500K-FRR3
Description: UHBS2 LED High Bay at 6500K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

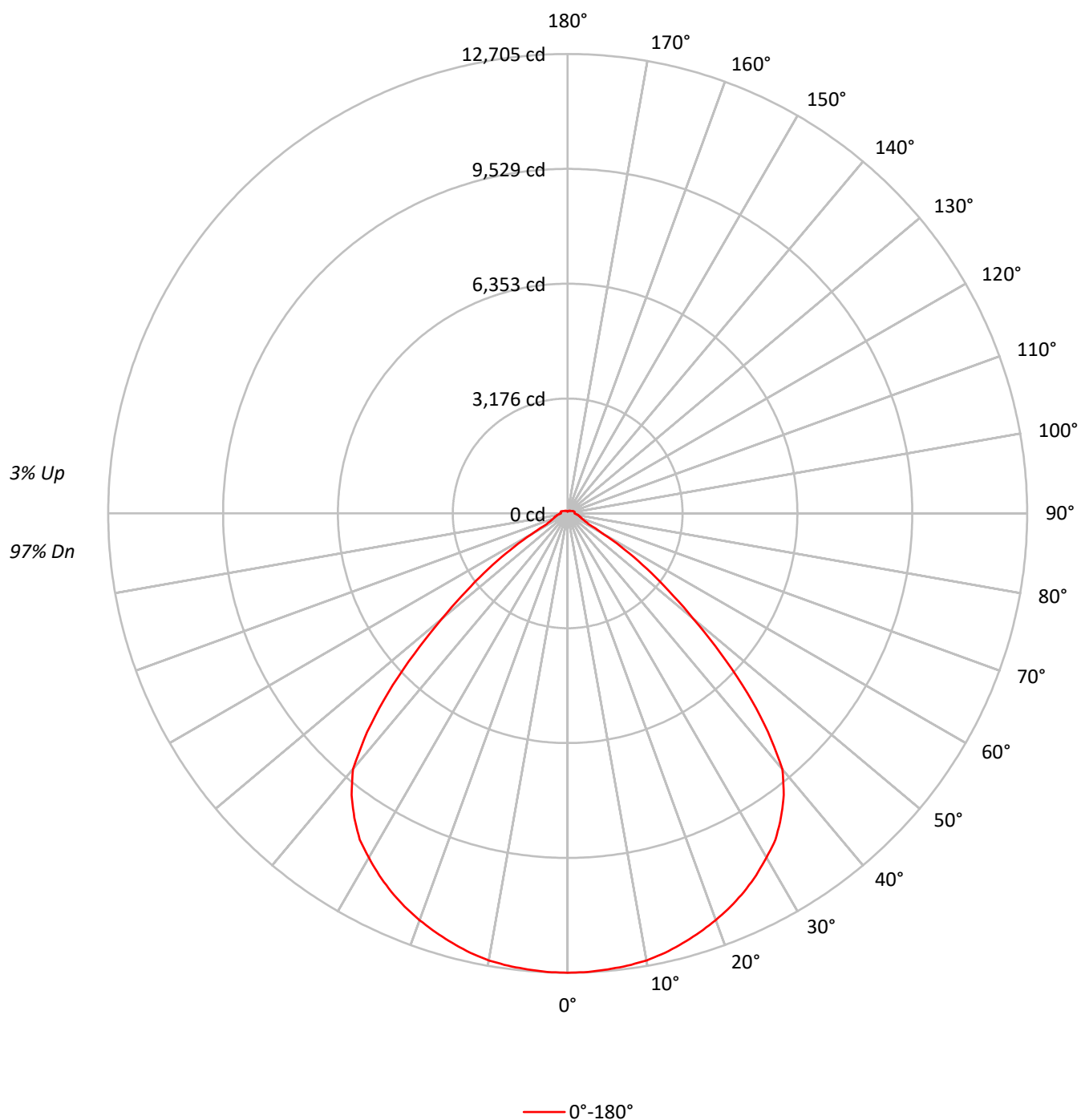
Lumens per Lamp: N/A
Luminaire Lumens: 26279.0 lumens
Efficiency: N/A
Efficacy: 170.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.31
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 154.2
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.2
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P980763

CATALOG NUMBER: UHBS2-2436-W-L83065-LOW-6500K-FRR3

Luminous Intensity Polar Plot



TEST NUMBER: P980763

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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	104	101	99	100	97	95		95	93	92		91
2	103	96	91	86	100	94	89	85	90	86	83		87	83	80		83
3	95	87	80	75	93	85	79	74	82	77	73		79	75	71		76
4	89	79	72	66	86	77	71	65	75	69	64		72	67	63		70
5	82	72	64	58	80	70	63	58	68	62	57		66	60	56		64
6	77	65	58	52	75	64	57	52	62	56	51		60	55	50		59
7	72	60	52	47	70	59	52	46	57	51	46		56	50	45		54
8	67	55	47	42	65	54	47	42	53	46	42		51	45	41		50
9	63	51	43	38	61	50	43	38	49	42	38		47	42	38		46
10	59	47	40	35	58	46	40	35	45	39	35		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97408
5°	95455
10°	93795
15°	91824
20°	89888
25°	87925
30°	85565
35°	82471
40°	77050
45°	61574
50°	42077
55°	26651
60°	12546
65°	6652
70°	5697
75°	5531
80°	5540
85°	5652

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61574 cd/sqm

TEST NUMBER: P980763

CATALOG NUMBER: UHBS2-2436-W-L83065-LOW-6500K-FRR3

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1205.4	4.6
10°-20°	3475.9	13.2
20°-30°	5319.6	20.2
30°-40°	6402.8	24.4
40°-50°	5344.6	20.3
50°-60°	2421.7	9.2
60°-70°	614.9	2.3
70°-80°	374.4	1.4
80°-90°	261.3	1.0
90°-100°	210.8	0.8
100°-110°	198.7	0.8
110°-120°	147.8	0.6
120°-130°	105.4	0.4
130°-140°	79.2	0.3
140°-150°	56.8	0.2
150°-160°	36.4	0.1
160°-170°	18.3	0.1
170°-180°	4.9	0.0
0°-30°	10000.9	38.1
0°-40°	16403.7	62.4
0°-60°	24170.0	92.0
0°-90°	25420.7	96.7
90°-120°	557.4	2.1
90°-150°	798.8	3.0
90°-180°	858.0	3.3
0°-180°	26279.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12705	
5°	12661	###
15°	12307	3476
25°	11548	5320
35°	10280	6403
45°	7031	5345
55°	2672	2422
65°	554	615
75°	353	374
85°	239	207
90°	187	106
95°	193	159
105°	189	199
115°	147	148
125°	118	105
135°	102	79
145°	90	57
155°	78	36
165°	64	18
175°	50	5
180°	48	

TEST NUMBER: P980763

CATALOG NUMBER: UHBS2-2436-W-L83065-LOW-6500K-FRR3

CANDELA DISTRIBUTION (FULL):

0°	
0°	12705.1
2.5°	12695.1
5°	12661.3
7.5°	12619.4
10°	12553.7
12.5°	12450.1
15°	12306.6
17.5°	12149.2
20°	11971.9
22.5°	11772.7
25°	11547.6
27.5°	11282.6
30°	10993.7
32.5°	10696.8
35°	10280.4
37.5°	9814.2
40°	9236.5
42.5°	8202.4
45°	7030.9
47.5°	5749.9
50°	4528.6
52.5°	3528.4
55°	2671.7
57.5°	1882.8
60°	1155.6
62.5°	673.4
65°	553.9
67.5°	478.2
70°	420.4
72.5°	384.5
75°	352.6
77.5°	322.8
80°	294.9
82.5°	267.0
85°	239.1
87.5°	211.2
90°	187.3
92.5°	189.3
95°	193.3
97.5°	197.2
100°	199.2
102.5°	195.2
105°	189.3
107.5°	181.3
110°	171.3

TEST NUMBER: P980763

CATALOG NUMBER: UHBS2-2436-W-L83065-LOW-6500K-FRR3

CANDELA DISTRIBUTION (continued):

	0°
112.5°	159.4
115°	147.4
117.5°	137.5
120°	129.5
122.5°	121.5
125°	117.5
127.5°	111.6
130°	107.6
132.5°	105.6
135°	101.6
137.5°	99.6
140°	95.6
142.5°	93.6
145°	89.7
147.5°	87.7
150°	83.7
152.5°	81.7
155°	77.7
157.5°	75.7
160°	71.7
162.5°	67.7
165°	63.8
167.5°	59.8
170°	55.8
172.5°	49.8
175°	49.8
177.5°	49.8
180°	47.8

(END OF REPORT)