

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: P980755

Luminaire Tested: UHBS2-2436-W-L83065-LOW-3500K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-W-L83065-LOW-3500K-FRR6
Description: UHBS2 LED High Bay at 3500K and LOW lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

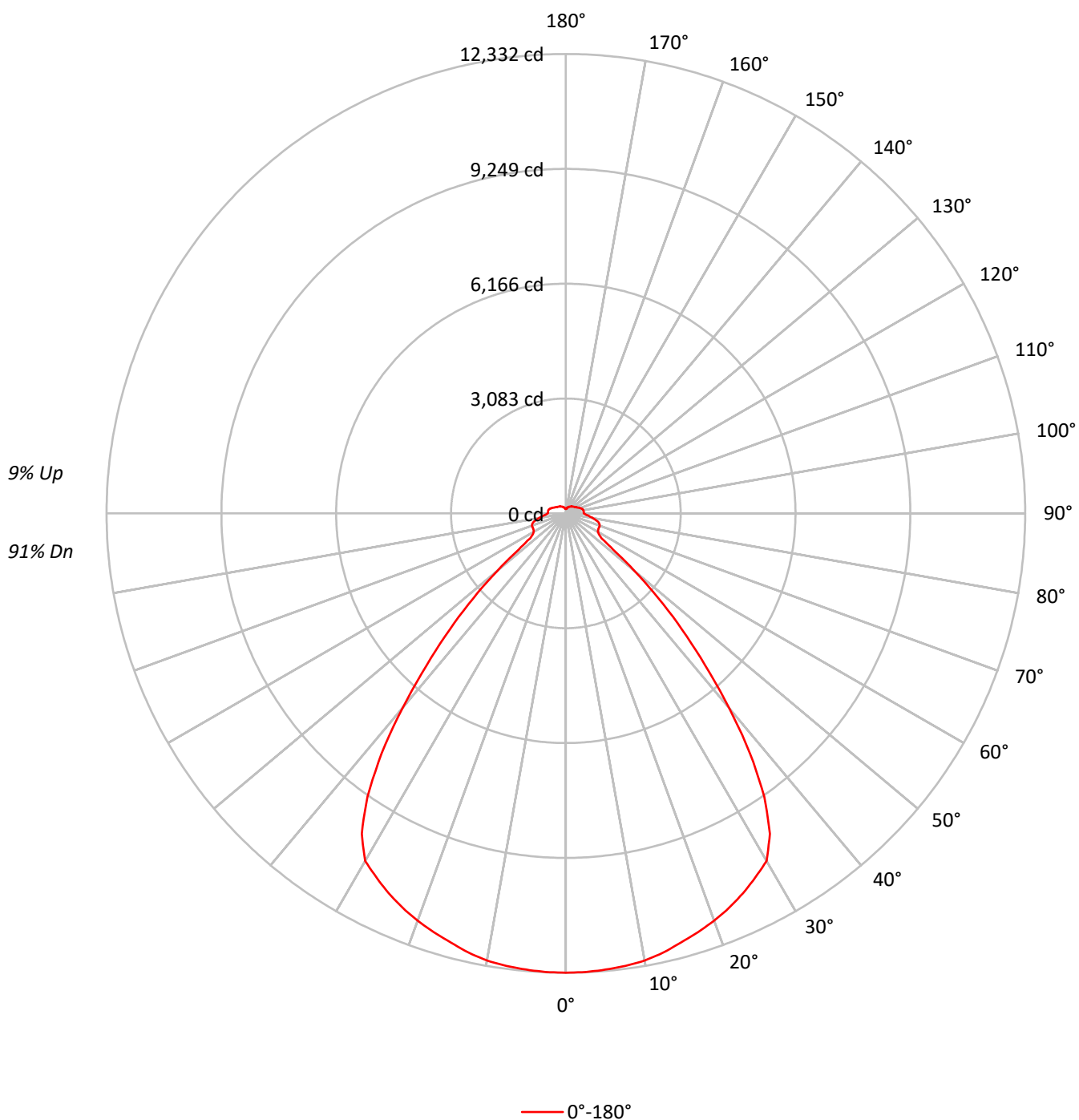
Lumens per Lamp: N/A
Luminaire Lumens: 24715.1 lumens
Efficiency: N/A
Efficacy: 160.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 154.4
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: P980755

CATALOG NUMBER: UHBS2-2436-W-L83065-LOW-3500K-FRR6

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
RCR																	
0	117	117	117	117	113	113	113	113	106	106	106		100	100	100		94
1	108	104	101	97	105	101	98	95	95	93	90		90	88	86		85
2	100	94	88	83	97	91	86	81	86	82	78		82	78	75		78
3	93	85	78	72	90	82	76	71	78	73	69		75	70	67		71
4	87	77	69	64	84	75	68	63	72	66	61		68	63	60		65
5	81	70	62	57	78	68	61	56	66	59	55		63	58	53		60
6	76	64	57	51	73	63	56	50	60	54	49		58	53	48		56
7	71	59	51	46	69	58	51	46	56	49	45		54	48	44		52
8	66	55	47	42	64	53	46	42	52	45	41		50	44	40		48
9	62	50	43	38	61	50	43	38	48	42	37		46	41	37		45
10	59	47	40	35	57	46	39	35	45	39	34		43	38	34		42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77999
5°	75208
10°	72756
15°	70005
20°	67662
25°	65357
30°	62970
35°	55051
40°	41328
45°	27541
50°	15694
55°	8016
60°	7189
65°	7510
70°	8174
75°	8415
80°	7778
85°	7016

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27541 cd/sqm

TEST NUMBER: P980755

CATALOG NUMBER: UHBS2-2436-W-L83065-LOW-3500K-FRR6

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1170.4	4.7
10°-20°	3372.9	13.6
20°-30°	5188.1	21.0
30°-40°	5668.5	22.9
40°-50°	3424.5	13.9
50°-60°	1230.1	5.0
60°-70°	965.6	3.9
70°-80°	931.1	3.8
80°-90°	641.4	2.6
90°-100°	523.4	2.1
100°-110°	479.2	1.9
110°-120°	363.9	1.5
120°-130°	268.1	1.1
130°-140°	200.2	0.8
140°-150°	141.3	0.6
150°-160°	89.9	0.4
160°-170°	44.9	0.2
170°-180°	11.6	0.0
0°-30°	9731.4	39.4
0°-40°	15400.0	62.3
0°-60°	20054.5	81.1
0°-90°	22592.6	91.4
90°-120°	1366.5	5.5
90°-150°	1976.1	8.0
90°-180°	2122.0	8.6
0°-180°	24715.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12332	
5°	12294	###
15°	11930	3373
25°	11254	5188
35°	9289	5669
45°	4411	3424
55°	1176	1230
65°	967	966
75°	900	931
85°	575	504
90°	483	269
95°	479	392
105°	458	479
115°	364	364
125°	297	268
135°	258	200
145°	224	141
155°	193	90
165°	157	45
175°	119	12
180°	117	

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CATALOG NUMBER: UHBS2-2436-W-L83065-LOW-3500K-FRR6

CANDELA DISTRIBUTION (FULL):

0°	
0°	12331.8
2.5°	12324.1
5°	12293.5
7.5°	12253.3
10°	12192.0
12.5°	12077.1
15°	11929.6
17.5°	11789.8
20°	11634.7
22.5°	11460.4
25°	11253.5
27.5°	11018.0
30°	10774.7
32.5°	10196.4
35°	9288.6
37.5°	8124.2
40°	6821.8
42.5°	5527.2
45°	4410.6
47.5°	3368.8
50°	2416.9
52.5°	1595.3
55°	1175.9
57.5°	1057.2
60°	994.0
62.5°	974.8
65°	967.2
67.5°	969.1
70°	967.2
72.5°	946.1
75°	900.1
77.5°	825.4
80°	737.3
82.5°	651.2
85°	574.6
87.5°	517.1
90°	482.6
92.5°	478.8
95°	478.8
97.5°	480.7
100°	478.8
102.5°	471.1
105°	457.7
107.5°	436.7
110°	411.8



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CATALOG NUMBER: UHBS2-2436-W-L83065-LOW-3500K-FRR6

CANDELA DISTRIBUTION (continued):

	0°
112.5°	388.8
115°	363.9
117.5°	342.8
120°	325.6
122.5°	310.3
125°	296.9
127.5°	285.4
130°	275.8
132.5°	266.2
135°	258.5
137.5°	249.0
140°	241.3
142.5°	231.7
145°	224.1
147.5°	216.4
150°	208.8
152.5°	201.1
155°	193.4
157.5°	185.8
160°	176.2
162.5°	166.6
165°	157.0
167.5°	145.6
170°	134.1
172.5°	118.7
175°	118.7
177.5°	116.8
180°	116.8

(END OF REPORT)