

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: P980667

Luminaire Tested: UHBS2-2436-M-L83065-HIGH-4000K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-HIGH-4000K-FRR3
Description: UHBS2 LED High Bay at 4000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

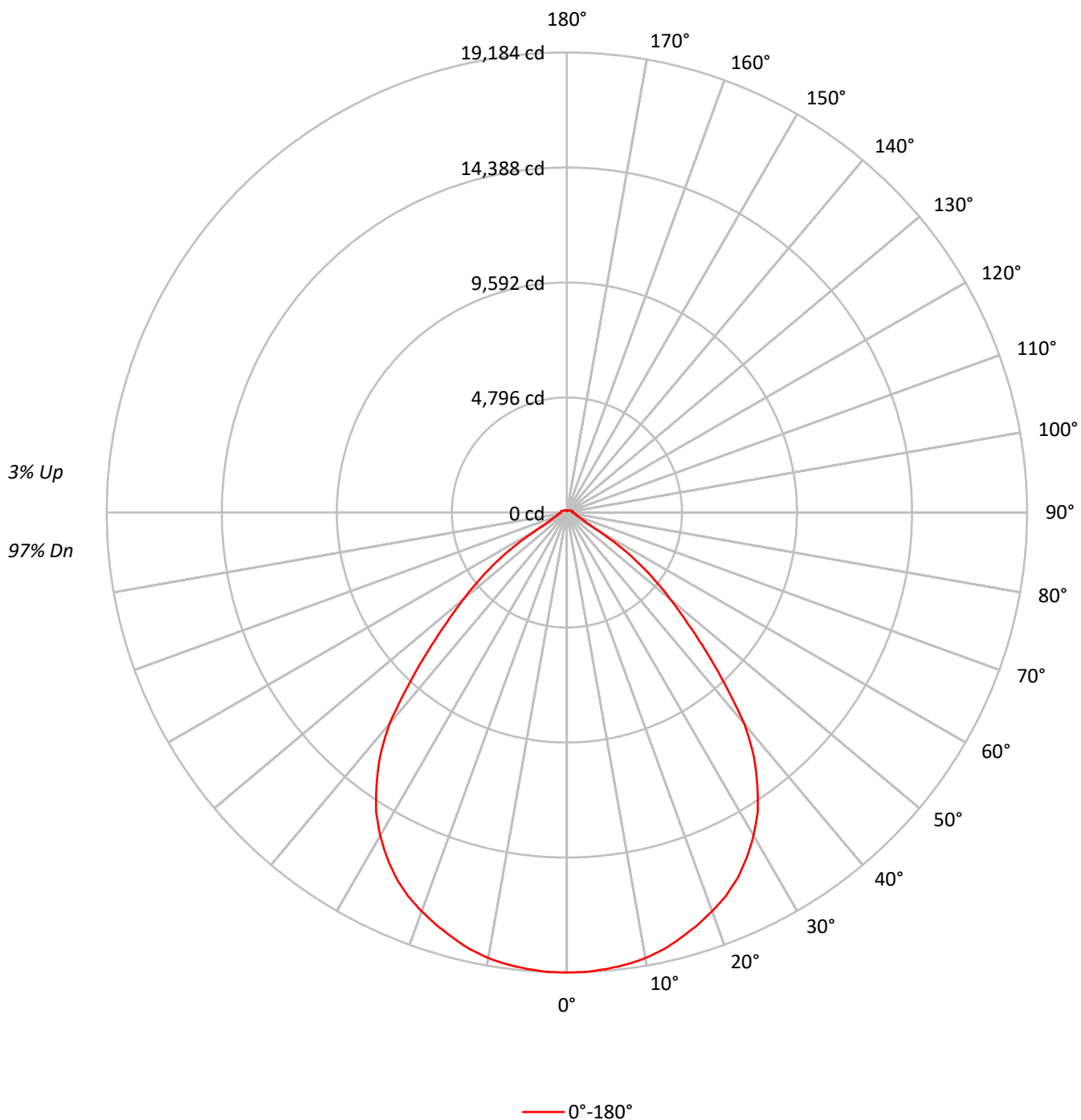
Lumens per Lamp: N/A
Luminaire Lumens: 35505.0 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 232.1
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

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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				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	105	102	99	100	98	96		96	94	92		92
2	103	97	92	87	101	95	90	86	91	87	84		87	84	81		84
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77
4	89	80	73	67	87	78	72	67	76	70	65		73	68	64		71
5	83	73	65	60	81	72	65	59	69	63	59		67	62	58		65
6	78	67	59	54	76	66	58	53	64	57	53		62	56	52		60
7	73	61	54	48	71	60	53	48	59	52	48		57	51	47		55
8	68	56	49	44	67	56	49	44	54	48	43		53	47	43		51
9	64	52	45	40	63	51	45	40	50	44	40		49	43	39		48
10	60	48	41	37	59	48	41	37	47	41	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147080
5°	144045
10°	140973
15°	136981
20°	132875
25°	128128
30°	121103
35°	111008
40°	96031
45°	71818
50°	52323
55°	35488
60°	15870
65°	9044
70°	7016
75°	6514
80°	6553
85°	6806

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1816.5	5.1
10°-20°	5180.8	14.6
20°-30°	7723.8	21.8
30°-40°	8583.4	24.2
40°-50°	6396.1	18.0
50°-60°	3152.5	8.9
60°-70°	812.1	2.3
70°-80°	446.4	1.3
80°-90°	315.9	0.9
90°-100°	268.4	0.8
100°-110°	253.2	0.7
110°-120°	182.4	0.5
120°-130°	129.7	0.4
130°-140°	97.4	0.3
140°-150°	70.8	0.2
150°-160°	45.9	0.1
160°-170°	23.5	0.1
170°-180°	6.4	0.0
0°-30°	14721.0	41.5
0°-40°	23304.4	65.6
0°-60°	32853.0	92.5
0°-90°	34427.3	97.0
90°-120°	704.0	2.0
90°-150°	1002.0	2.8
90°-180°	1078.0	3.0
0°-180°	35505.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19184	
5°	19106	###
15°	18359	5181
25°	16828	7724
35°	13838	8583
45°	8201	6396
55°	3558	3152
65°	753	812
75°	415	446
85°	288	248
90°	235	133
95°	246	203
105°	241	253
115°	183	182
125°	144	130
135°	125	97
145°	114	71
155°	100	46
165°	83	24
175°	64	6
180°	64	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19183.8
2.5°	19170.0
5°	19106.3
7.5°	19012.2
10°	18868.2
12.5°	18657.8
15°	18358.8
17.5°	18048.7
20°	17697.1
22.5°	17306.7
25°	16827.7
27.5°	16235.2
30°	15559.7
32.5°	14803.8
35°	13837.6
37.5°	12791.1
40°	11511.9
42.5°	9789.9
45°	8200.7
47.5°	6797.0
50°	5631.4
52.5°	4587.6
55°	3557.7
57.5°	2522.2
60°	1461.8
62.5°	930.3
65°	753.1
67.5°	620.2
70°	517.7
72.5°	462.4
75°	415.3
77.5°	379.3
80°	348.8
82.5°	318.4
85°	287.9
87.5°	260.3
90°	235.3
92.5°	240.9
95°	246.4
97.5°	251.9
100°	254.7
102.5°	251.9
105°	240.9
107.5°	229.8
110°	213.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	196.6
115°	182.7
117.5°	168.9
120°	157.8
122.5°	149.5
125°	144.0
127.5°	138.4
130°	132.9
132.5°	130.1
135°	124.6
137.5°	121.8
140°	119.1
142.5°	116.3
145°	113.5
147.5°	108.0
150°	105.2
152.5°	102.4
155°	99.7
157.5°	94.1
160°	91.4
162.5°	85.8
165°	83.1
167.5°	77.5
170°	72.0
172.5°	66.4
175°	63.7
177.5°	66.4
180°	63.7

(END OF REPORT)