

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: P980671

Luminaire Tested: UHBS2-2436-M-L83065-HIGH-5000K-FRR6

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980671
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-5000K-FRR6
Description: UHBS2 LED High Bay at 5000K and HIGH lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

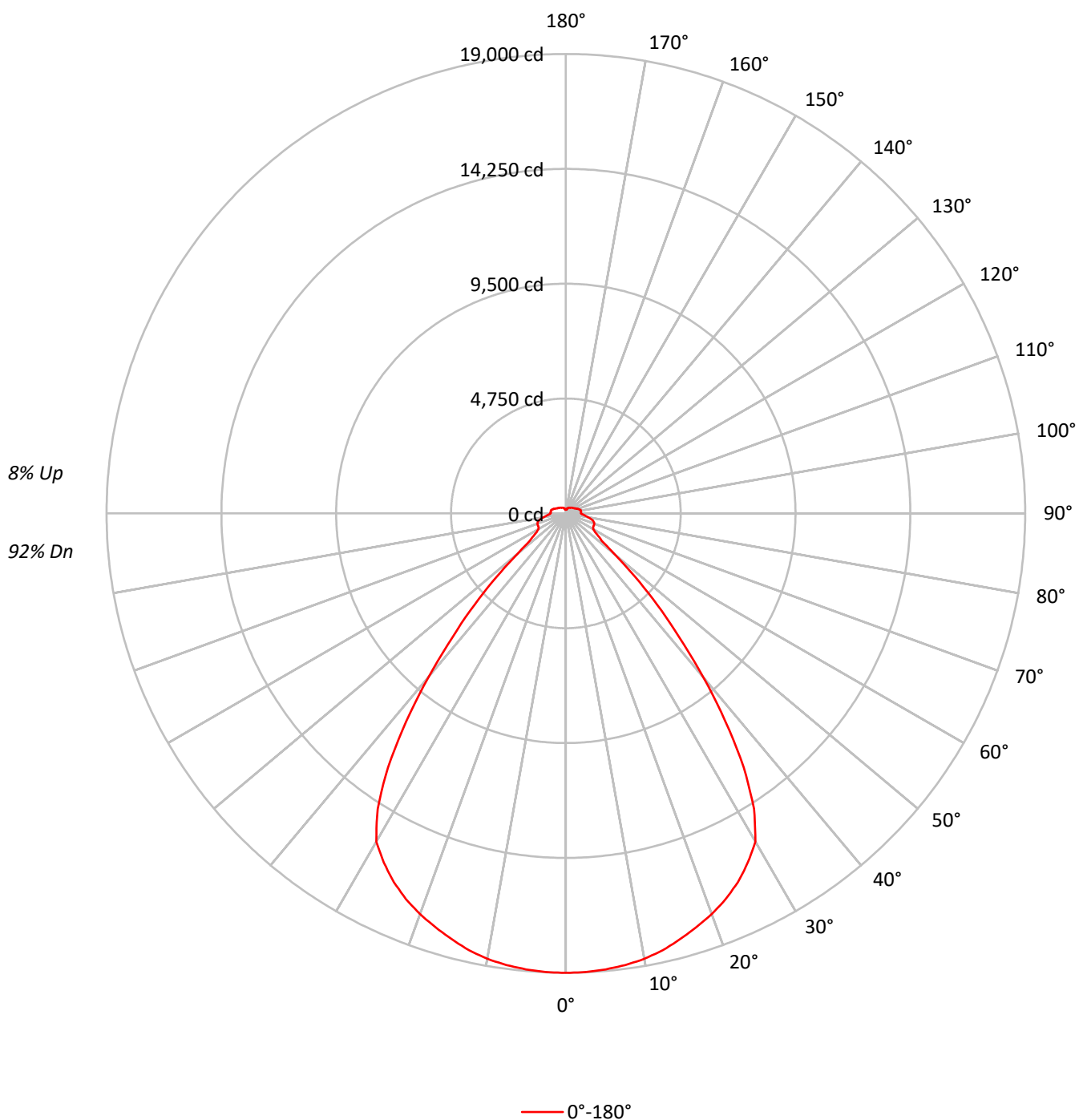
Lumens per Lamp: N/A
Luminaire Lumens: 34267.0 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.13
Luminous Opening: Vertical Cylinder (Dia: 1.47' x H: 0.5')
CIE Type: Direct

Input Watts (W): 233.5
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

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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	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°	120179
5°	115824
10°	111645
15°	107033
20°	102585
25°	97742
30°	91647
35°	76032
40°	53466
45°	33344
50°	16965
55°	11155
60°	9487
65°	9762
70°	10579
75°	10810
80°	10012
85°	9091

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33344 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1800.2	5.3
10°-20°	5147.8	15.0
20°-30°	7733.4	22.6
30°-40°	7831.3	22.9
40°-50°	4167.4	12.2
50°-60°	1540.4	4.5
60°-70°	1258.5	3.7
70°-80°	1198.7	3.5
80°-90°	829.0	2.4
90°-100°	686.2	2.0
100°-110°	626.8	1.8
110°-120°	471.1	1.4
120°-130°	345.9	1.0
130°-140°	258.4	0.8
140°-150°	182.7	0.5
150°-160°	116.1	0.3
160°-170°	58.0	0.2
170°-180°	15.1	0.0
0°-30°	14681.4	42.8
0°-40°	22512.7	65.7
0°-60°	28220.6	82.4
0°-90°	31506.7	91.9
90°-120°	1784.1	5.2
90°-150°	2571.1	7.5
90°-180°	2760.0	8.1
0°-180°	34267.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19000	
5°	18932	###
15°	18240	5148
25°	16830	7733
35°	12829	7831
45°	5340	4167
55°	1636	1540
65°	1257	1258
75°	1156	1199
85°	744	651
90°	627	349
95°	630	515
105°	597	627
115°	472	471
125°	382	346
135°	333	258
145°	289	183
155°	251	116
165°	202	58
175°	153	15
180°	150	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19000.5
2.5°	18992.4
5°	18932.4
7.5°	18842.4
10°	18708.7
12.5°	18506.9
15°	18239.6
17.5°	17942.4
20°	17639.7
22.5°	17274.2
25°	16829.7
27.5°	16295.1
30°	15681.5
32.5°	14489.7
35°	12828.8
37.5°	10840.7
40°	8825.3
42.5°	6924.4
45°	5339.9
47.5°	3878.1
50°	2612.7
52.5°	1884.5
55°	1636.3
57.5°	1429.1
60°	1311.8
62.5°	1273.6
65°	1257.2
67.5°	1260.0
70°	1251.8
72.5°	1221.8
75°	1156.3
77.5°	1058.2
80°	949.1
82.5°	840.0
85°	744.5
87.5°	668.2
90°	627.3
92.5°	624.5
95°	630.0
97.5°	632.7
100°	630.0
102.5°	619.1
105°	597.3
107.5°	570.0
110°	534.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	501.8
115°	471.8
117.5°	444.5
120°	420.0
122.5°	400.9
125°	381.8
127.5°	368.2
130°	357.3
132.5°	343.6
135°	332.7
137.5°	321.8
140°	310.9
142.5°	300.0
145°	289.1
147.5°	280.9
150°	270.0
152.5°	261.8
155°	250.9
157.5°	237.3
160°	226.4
162.5°	215.5
165°	201.8
167.5°	190.9
170°	171.8
172.5°	155.5
175°	152.7
177.5°	152.7
180°	150.0

(END OF REPORT)