

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: P980703

Luminaire Tested: UHBS2-2436-M-L83065-MID-6500K-FRR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980703
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-MID-6500K-FRR3
Description: UHBS2 LED High Bay at 6500K and MID lumen setting 3in Deep Frosted Refractor
Light Source: -
Ballast/Driver: -

Summary

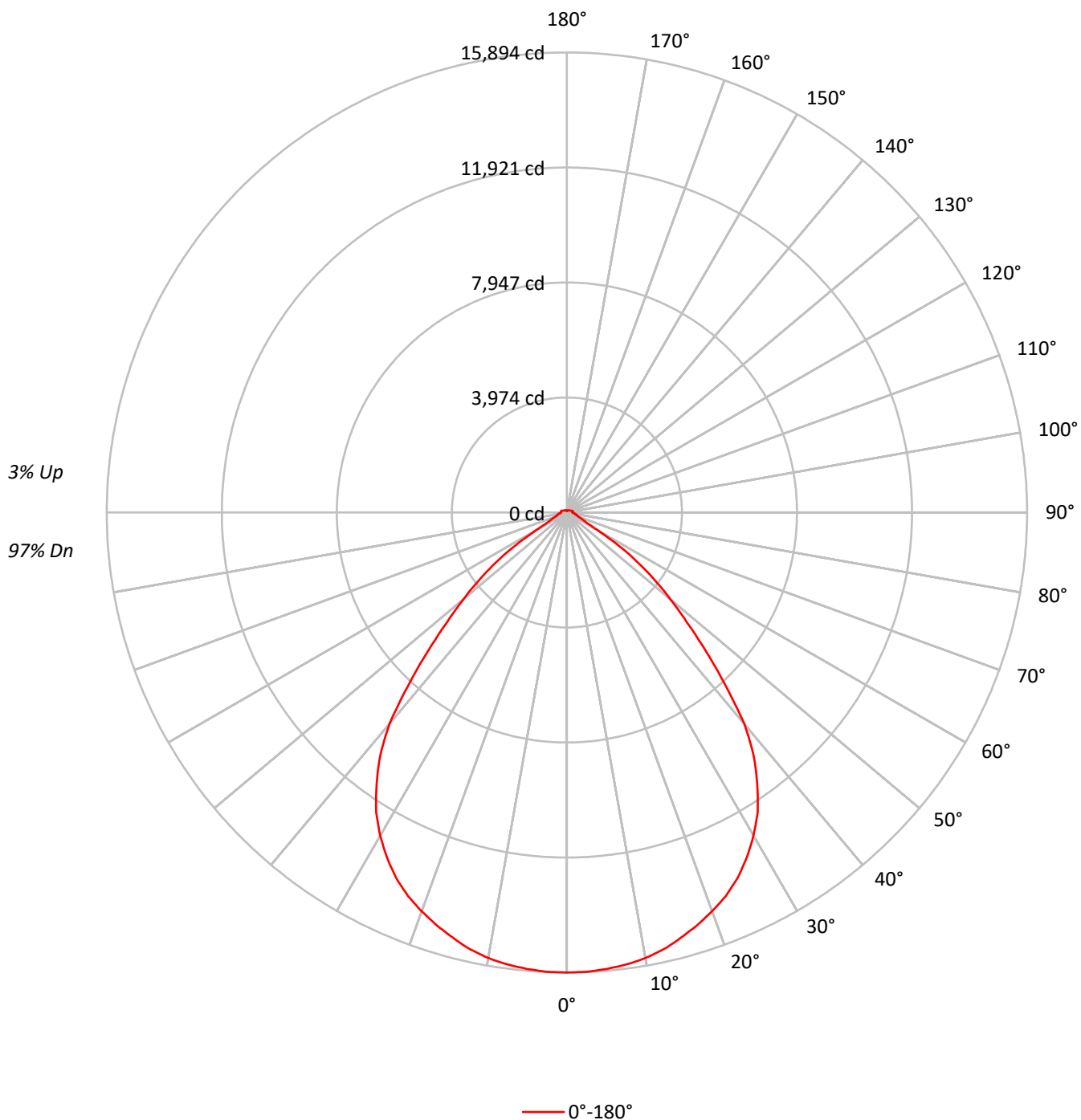
Lumens per Lamp: N/A
Luminaire Lumens: 29416.0 lumens
Efficiency: N/A
Efficacy: 150.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.22
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 195
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
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°	121856
5°	119341
10°	116797
15°	113489
20°	110087
25°	106155
30°	100334
35°	91970
40°	79563
45°	59502
50°	43349
55°	29403
60°	13149
65°	7493
70°	5812
75°	5397
80°	5429
85°	5640

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59502 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1504.9	5.1
10°-20°	4292.3	14.6
20°-30°	6399.2	21.8
30°-40°	7111.3	24.2
40°-50°	5299.2	18.0
50°-60°	2611.9	8.9
60°-70°	672.8	2.3
70°-80°	369.8	1.3
80°-90°	261.7	0.9
90°-100°	222.4	0.8
100°-110°	209.7	0.7
110°-120°	151.1	0.5
120°-130°	107.4	0.4
130°-140°	80.7	0.3
140°-150°	58.7	0.2
150°-160°	38.0	0.1
160°-170°	19.5	0.1
170°-180°	5.3	0.0
0°-30°	12196.4	41.5
0°-40°	19307.7	65.6
0°-60°	27218.8	92.5
0°-90°	28523.1	97.0
90°-120°	583.3	2.0
90°-150°	830.1	2.8
90°-180°	893.0	3.0
0°-180°	29416.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15894	
5°	15830	###
15°	15210	4292
25°	13942	6399
35°	11464	7111
45°	6794	5299
55°	2948	2612
65°	624	673
75°	344	370
85°	239	205
90°	195	110
95°	204	168
105°	200	210
115°	151	151
125°	119	107
135°	103	81
145°	94	59
155°	83	38
165°	69	19
175°	53	5
180°	53	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	15893.8
2.5°	15882.4
5°	15829.6
7.5°	15751.6
10°	15632.4
12.5°	15458.0
15°	15210.3
17.5°	14953.4
20°	14662.1
22.5°	14338.6
25°	13941.8
27.5°	13450.9
30°	12891.2
32.5°	12265.0
35°	11464.5
37.5°	10597.4
40°	9537.7
42.5°	8110.9
45°	6794.3
47.5°	5631.3
50°	4665.6
52.5°	3800.9
55°	2947.6
57.5°	2089.7
60°	1211.1
62.5°	770.7
65°	623.9
67.5°	513.8
70°	428.9
72.5°	383.1
75°	344.1
77.5°	314.3
80°	289.0
82.5°	263.8
85°	238.6
87.5°	215.6
90°	195.0
92.5°	199.6
95°	204.1
97.5°	208.7
100°	211.0
102.5°	208.7
105°	199.6
107.5°	190.4
110°	176.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	162.9
115°	151.4
117.5°	139.9
120°	130.7
122.5°	123.9
125°	119.3
127.5°	114.7
130°	110.1
132.5°	107.8
135°	103.2
137.5°	100.9
140°	98.6
142.5°	96.3
145°	94.0
147.5°	89.5
150°	87.2
152.5°	84.9
155°	82.6
157.5°	78.0
160°	75.7
162.5°	71.1
165°	68.8
167.5°	64.2
170°	59.6
172.5°	55.1
175°	52.8
177.5°	55.1
180°	52.8

(END OF REPORT)