

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: P980765

Luminaire Tested: UHBS2-2436-W-L83065-MID-3000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-W-L83065-MID-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

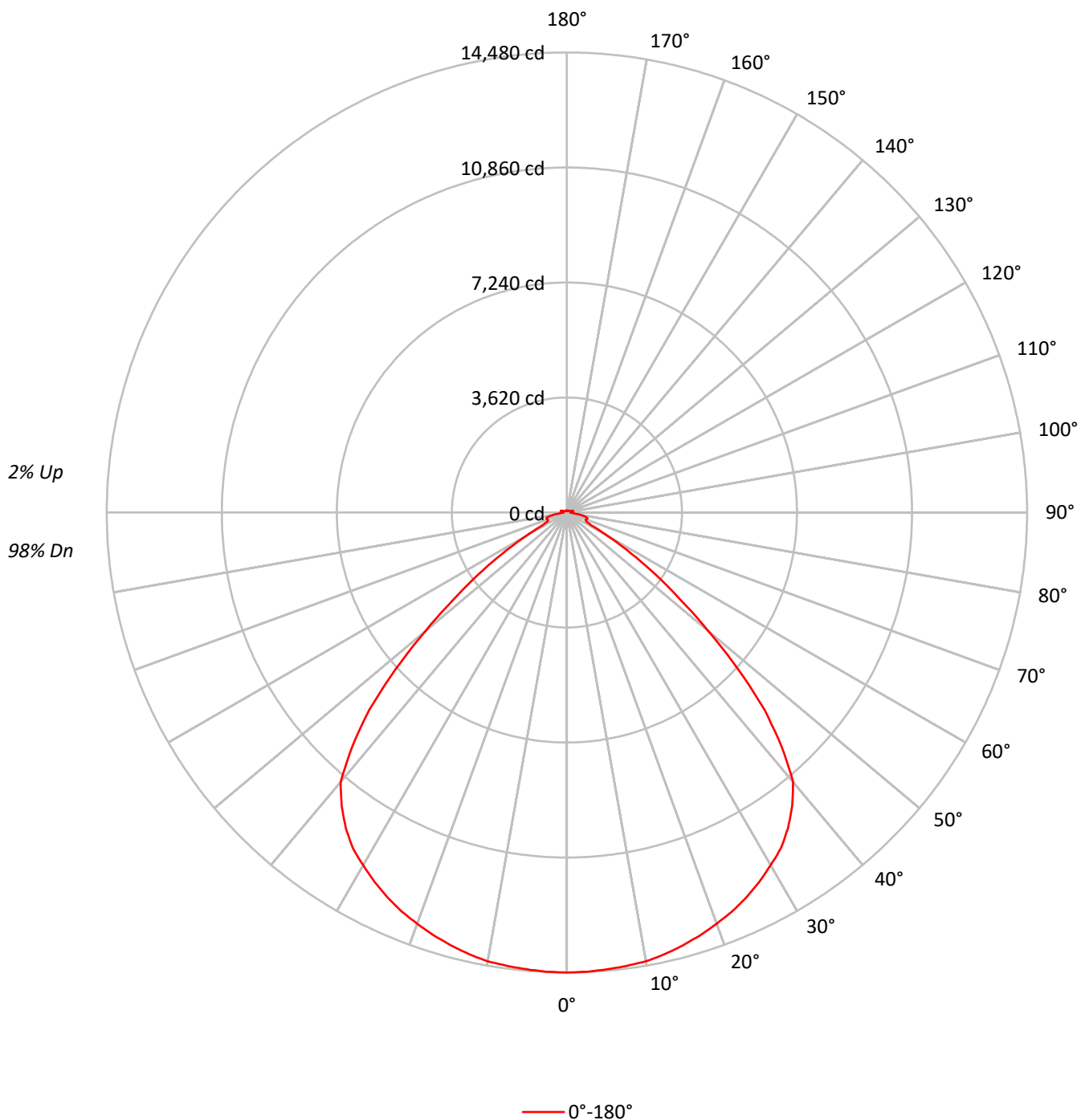
Lumens per Lamp: N/A
Luminaire Lumens: 31175.0 lumens
Efficiency: N/A
Efficacy: 160.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 194.6
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	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100
1	111	107	104	101	108	105	102	99	100	98	95		96	94	92		92
2	103	96	91	86	100	94	89	85	90	86	83		87	84	81		84
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76
4	88	78	71	65	86	77	70	65	74	68	64		72	67	63		70
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64
6	76	65	57	51	74	64	56	51	62	55	50		60	54	50		58
7	71	59	51	46	69	58	51	46	57	50	45		55	49	45		54
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50
9	62	50	43	38	61	49	42	37	48	42	37		47	41	37		46
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	111012
5°	108831
10°	107163
15°	105221
20°	103415
25°	101771
30°	99777
35°	97290
40°	92381
45°	77036
50°	54072
55°	34013
60°	16185
65°	8201
70°	8784
75°	10385
80°	8089
85°	4213

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 77036 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1375.1	4.4
10°-20°	3985.2	12.8
20°-30°	6161.1	19.8
30°-40°	7555.6	24.2
40°-50°	6635.9	21.3
50°-60°	3094.1	9.9
60°-70°	803.8	2.6
70°-80°	648.8	2.1
80°-90°	232.6	0.7
90°-100°	150.5	0.5
100°-110°	206.7	0.7
110°-120°	119.1	0.4
120°-130°	65.3	0.2
130°-140°	49.3	0.2
140°-150°	42.0	0.1
150°-160°	30.5	0.1
160°-170°	15.5	0.0
170°-180°	4.1	0.0
0°-30°	11521.3	37.0
0°-40°	19076.9	61.2
0°-60°	28806.9	92.4
0°-90°	30492.1	97.8
90°-120°	476.3	1.5
90°-150°	632.9	2.0
90°-180°	683.0	2.2
0°-180°	31175.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14480	
5°	14436	###
15°	14102	3985
25°	13366	6161
35°	12128	7556
45°	8796	6636
55°	3410	3094
65°	683	804
75°	662	649
85°	178	200
90°	106	62
95°	132	120
105°	206	207
115°	116	119
125°	72	65
135°	62	49
145°	67	42
155°	67	30
165°	53	15
175°	42	4
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	14479.5
2.5°	14467.9
5°	14435.5
7.5°	14393.9
10°	14342.9
12.5°	14238.8
15°	14102.2
17.5°	13951.7
20°	13773.5
22.5°	13588.3
25°	13366.1
27.5°	13104.5
30°	12819.7
32.5°	12532.7
35°	12127.6
37.5°	11639.2
40°	11074.3
42.5°	10002.5
45°	8796.5
47.5°	7317.3
50°	5819.6
52.5°	4495.5
55°	3409.8
57.5°	2398.2
60°	1490.8
62.5°	865.8
65°	682.9
67.5°	638.9
70°	648.2
72.5°	673.6
75°	662.1
77.5°	581.0
80°	430.6
82.5°	277.8
85°	178.2
87.5°	129.6
90°	106.5
92.5°	113.4
95°	131.9
97.5°	159.7
100°	187.5
102.5°	206.0
105°	206.0
107.5°	192.1
110°	166.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	138.9
115°	115.7
117.5°	97.2
120°	85.7
122.5°	76.4
125°	71.8
127.5°	67.1
130°	64.8
132.5°	62.5
135°	62.5
137.5°	64.8
140°	64.8
142.5°	67.1
145°	67.1
147.5°	67.1
150°	67.1
152.5°	67.1
155°	67.1
157.5°	64.8
160°	60.2
162.5°	57.9
165°	53.2
167.5°	50.9
170°	46.3
172.5°	41.7
175°	41.7
177.5°	41.7
180°	41.7

(END OF REPORT)