

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: P980738

Luminaire Tested: UHBS2-2436-W-L83065-HIGH-3500K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980738
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-HIGH-3500K-CLR3
Description: UHBS2 LED High Bay at 3500K and HIGH lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

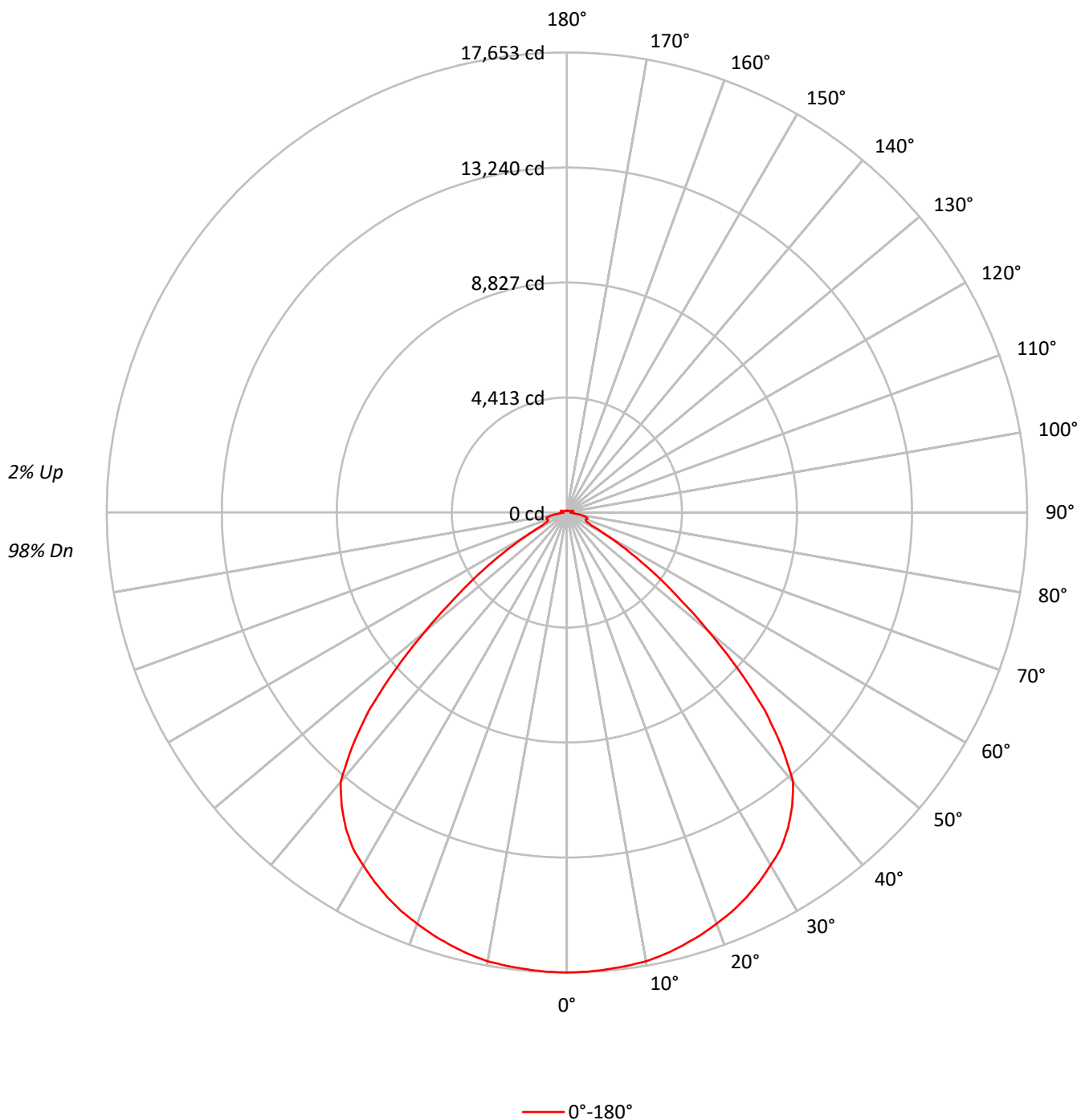
Lumens per Lamp: N/A
Luminaire Lumens: 38007.8 lumens
Efficiency: N/A
Efficacy: 161.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.34
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 235.5
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				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	110	110	110		105	105	105		100	100	100		98
1	111	107	104	101	108	105	102	99	100	98	95		96	94	92		92	90	89		87
2	103	96	91	86	100	94	89	85	90	86	83		87	84	81		84	81	79		77
3	95	87	80	75	93	85	79	74	82	77	72		79	75	71		76	73	69		67
4	88	78	71	65	86	77	70	65	74	68	64		72	67	63		70	65	62		60
5	82	71	63	58	80	70	63	57	68	61	57		66	60	56		64	59	55		53
6	76	65	57	51	74	64	56	51	62	55	50		60	54	50		58	53	49		47
7	71	59	51	46	69	58	51	46	57	50	45		55	49	45		54	48	44		43
8	67	54	47	41	65	54	46	41	52	46	41		51	45	41		50	44	40		39
9	62	50	43	38	61	49	42	37	48	42	37		47	41	37		46	41	37		35
10	58	46	39	34	57	46	39	34	45	38	34		44	38	34		43	37	34		32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	135344
5°	132685
10°	130651
15°	128284
20°	126082
25°	124077
30°	121647
35°	118614
40°	112629
45°	93921
50°	65923
55°	41469
60°	19732
65°	9999
70°	10709
75°	12661
80°	9861
85°	5137

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 93921 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1676.4	4.4
10°-20°	4858.6	12.8
20°-30°	7511.5	19.8
30°-40°	9211.6	24.2
40°-50°	8090.4	21.3
50°-60°	3772.3	9.9
60°-70°	980.0	2.6
70°-80°	791.0	2.1
80°-90°	283.5	0.7
90°-100°	183.5	0.5
100°-110°	252.0	0.7
110°-120°	145.2	0.4
120°-130°	79.6	0.2
130°-140°	60.1	0.2
140°-150°	51.1	0.1
150°-160°	37.2	0.1
160°-170°	18.8	0.0
170°-180°	5.0	0.0
0°-30°	14046.6	37.0
0°-40°	23258.2	61.2
0°-60°	35120.8	92.4
0°-90°	37175.3	97.8
90°-120°	580.7	1.5
90°-150°	771.6	2.0
90°-180°	833.0	2.2
0°-180°	38007.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17653	
5°	17600	###
15°	17193	4859
25°	16296	7511
35°	14786	9212
45°	10724	8090
55°	4157	3772
65°	833	980
75°	807	791
85°	217	244
90°	130	76
95°	161	147
105°	251	252
115°	141	145
125°	88	80
135°	76	60
145°	82	51
155°	82	37
165°	65	19
175°	51	5
180°	51	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17653.1
2.5°	17639.0
5°	17599.5
7.5°	17548.7
10°	17486.6
12.5°	17359.6
15°	17193.1
17.5°	17009.7
20°	16792.4
22.5°	16566.6
25°	16295.6
27.5°	15976.7
30°	15629.6
32.5°	15279.6
35°	14785.7
37.5°	14190.3
40°	13501.6
42.5°	12194.9
45°	10724.5
47.5°	8921.1
50°	7095.1
52.5°	5480.8
55°	4157.2
57.5°	2923.8
60°	1817.5
62.5°	1055.5
65°	832.6
67.5°	778.9
70°	790.2
72.5°	821.3
75°	807.2
77.5°	708.4
80°	524.9
82.5°	338.7
85°	217.3
87.5°	158.0
90°	129.8
92.5°	138.3
95°	160.9
97.5°	194.7
100°	228.6
102.5°	251.2
105°	251.2
107.5°	234.2
110°	203.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	169.3
115°	141.1
117.5°	118.5
120°	104.4
122.5°	93.1
125°	87.5
127.5°	81.8
130°	79.0
132.5°	76.2
135°	76.2
137.5°	79.0
140°	79.0
142.5°	81.8
145°	81.8
147.5°	81.8
150°	81.8
152.5°	81.8
155°	81.8
157.5°	79.0
160°	73.4
162.5°	70.6
165°	64.9
167.5°	62.1
170°	56.4
172.5°	50.8
175°	50.8
177.5°	50.8
180°	50.8

(END OF REPORT)