

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: P980684

Luminaire Tested: UHBS2-2436-M-L83065-LOW-5000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2502-344-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: UHBS2-2436-M-L83065-LOW-5000K-CLR3
Description: UHBS2 LED High Bay at 5000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

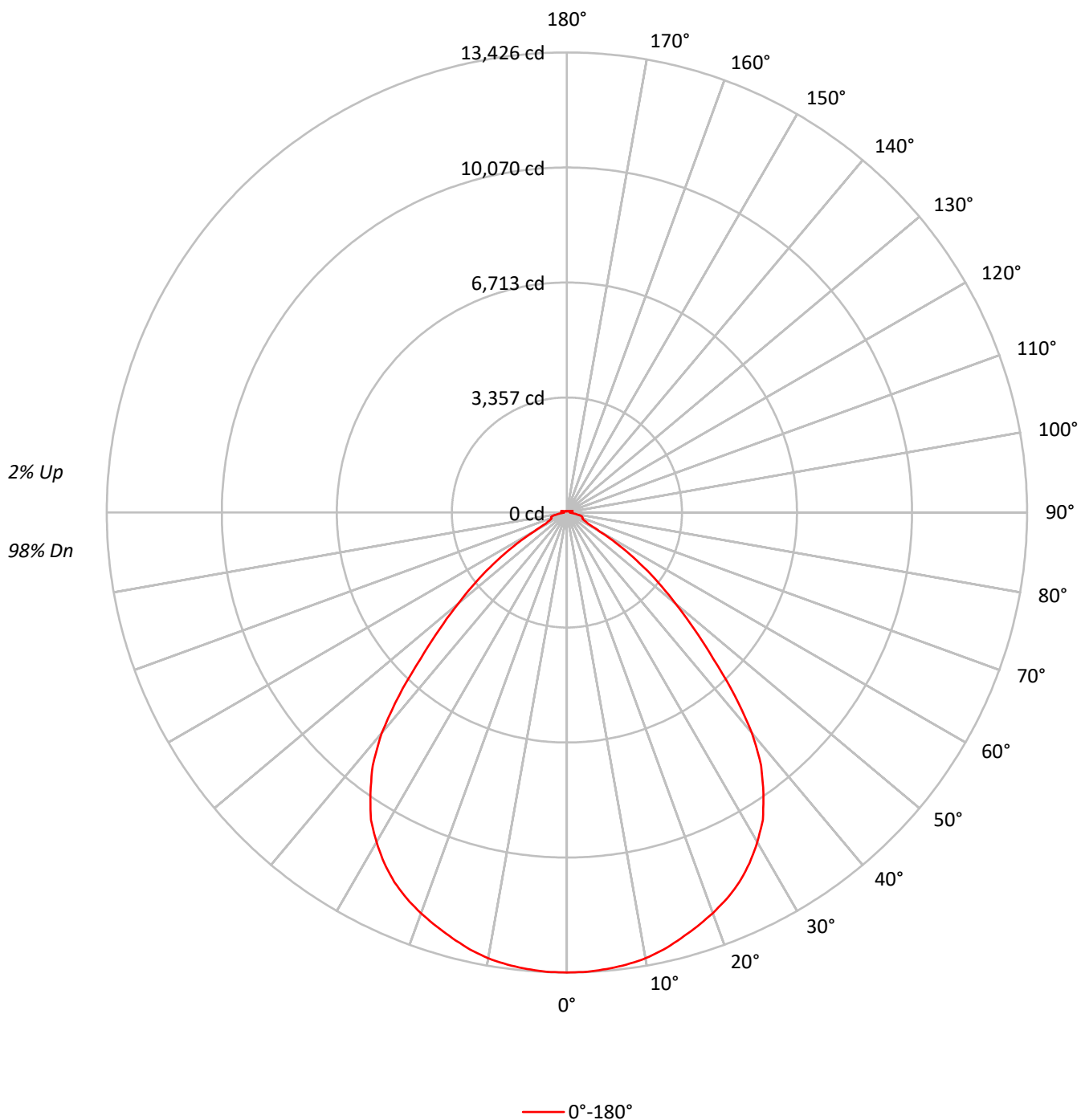
Lumens per Lamp: N/A
Luminaire Lumens: 25394.0 lumens
Efficiency: N/A
Efficacy: 165.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.34' x H: 0.25')
CIE Type: Direct

Input Watts (W): 153.7
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 5.2
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	96		96	94	93		92	91	90	88
2	103	97	92	87	101	95	90	86	91	87	84		88	85	82		85	82	80	78
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77	74	71	69
4	89	80	72	67	87	78	72	66	76	70	65		73	68	64		71	67	63	61
5	83	73	65	59	81	71	64	59	69	63	58		67	62	58		65	61	57	55
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60	55	51	49
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55	50	46	45
8	68	56	49	44	66	55	48	43	54	48	43		53	47	43		51	46	42	41
9	64	52	45	40	62	51	44	40	50	44	39		49	43	39		48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36		45	40	36		45	39	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102932
5°	100833
10°	98712
15°	96003
20°	93442
25°	90639
30°	86470
35°	80175
40°	70072
45°	52924
50°	38513
55°	26014
60°	11942
65°	6829
70°	6457
75°	7197
80°	5341
85°	2967

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52924 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1271.6	5.0
10°-20°	3632.7	14.3
20°-30°	5469.4	21.5
30°-40°	6200.8	24.4
40°-50°	4717.0	18.6
50°-60°	2324.6	9.2
60°-70°	629.2	2.5
70°-80°	452.0	1.8
80°-90°	161.2	0.6
90°-100°	123.7	0.5
100°-110°	168.1	0.7
110°-120°	90.4	0.4
120°-130°	48.7	0.2
130°-140°	36.8	0.1
140°-150°	30.8	0.1
150°-160°	22.3	0.1
160°-170°	11.3	0.0
170°-180°	3.2	0.0
0°-30°	10373.7	40.9
0°-40°	16574.5	65.3
0°-60°	23616.1	93.0
0°-90°	24858.5	97.9
90°-120°	382.3	1.5
90°-150°	498.6	2.0
90°-180°	535.0	2.1
0°-180°	25394.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13426	
5°	13375	###
15°	12867	3633
25°	11904	5469
35°	9994	6201
45°	6043	4717
55°	2608	2325
65°	569	629
75°	459	452
85°	126	136
90°	84	49
95°	108	100
105°	169	168
115°	88	90
125°	53	49
135°	47	37
145°	49	31
155°	49	22
165°	39	11
175°	33	3
180°	33	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13425.6
2.5°	13415.8
5°	13374.6
7.5°	13309.9
10°	13211.8
12.5°	13064.8
15°	12866.7
17.5°	12660.9
20°	12445.2
22.5°	12200.1
25°	11904.0
27.5°	11539.3
30°	11109.9
32.5°	10637.3
35°	9994.2
37.5°	9305.9
40°	8400.0
42.5°	7256.9
45°	6043.2
47.5°	5027.5
50°	4145.1
52.5°	3368.6
55°	2607.9
57.5°	1880.4
60°	1100.0
62.5°	690.2
65°	568.6
67.5°	502.0
70°	476.5
72.5°	480.4
75°	458.8
77.5°	392.2
80°	284.3
82.5°	184.3
85°	125.5
87.5°	98.0
90°	84.3
92.5°	92.2
95°	107.8
97.5°	133.3
100°	156.9
102.5°	170.6
105°	168.6
107.5°	152.9
110°	129.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	105.9
115°	88.2
117.5°	72.5
120°	62.7
122.5°	56.9
125°	52.9
127.5°	51.0
130°	49.0
132.5°	47.1
135°	47.1
137.5°	47.1
140°	49.0
142.5°	49.0
145°	49.0
147.5°	49.0
150°	49.0
152.5°	49.0
155°	49.0
157.5°	47.1
160°	45.1
162.5°	41.2
165°	39.2
167.5°	37.3
170°	35.3
172.5°	33.3
175°	33.3
177.5°	33.3
180°	33.3

(END OF REPORT)