

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: P980570

Luminaire Tested: UHBS2-1218-M-L83065-MID-3000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980570
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: UHBS2-1218-M-L83065-MID-3000K-CLR3
Description: UHBS2 LED High Bay at 3000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

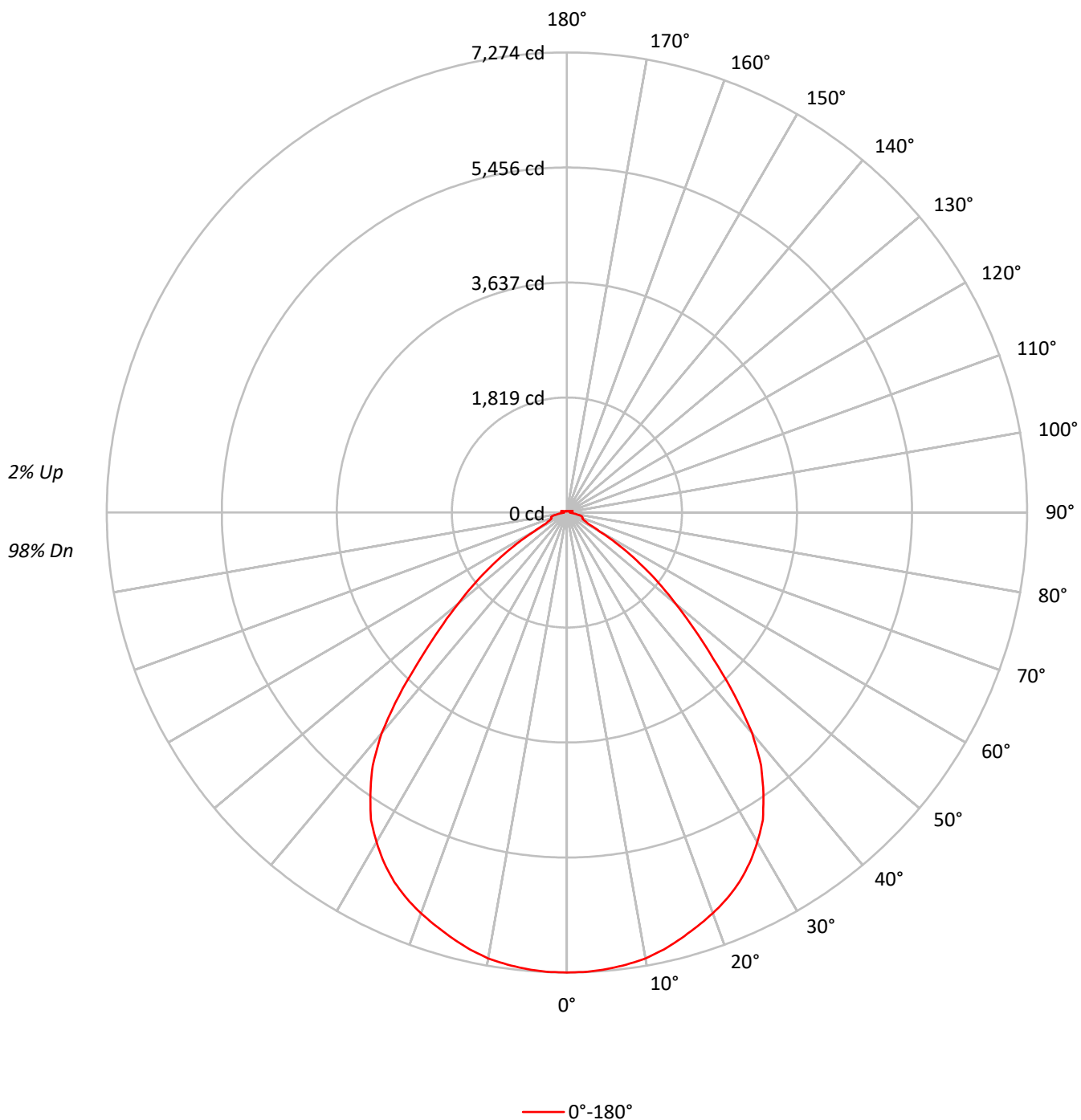
Lumens per Lamp: N/A
Luminaire Lumens: 13759.1 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 98.9
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.15
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	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°	73329
5°	71618
10°	69909
15°	67796
20°	65799
25°	63638
30°	60528
35°	55945
40°	48729
45°	36668
50°	26575
55°	17867
60°	8158
65°	4635
70°	4348
75°	4796
80°	3508
85°	1909

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36668 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.0	5.0
10°-20°	1968.3	14.3
20°-30°	2963.4	21.5
30°-40°	3359.7	24.4
40°-50°	2555.8	18.6
50°-60°	1259.5	9.2
60°-70°	340.9	2.5
70°-80°	244.9	1.8
80°-90°	87.4	0.6
90°-100°	67.0	0.5
100°-110°	91.1	0.7
110°-120°	49.0	0.4
120°-130°	26.4	0.2
130°-140°	20.0	0.1
140°-150°	16.7	0.1
150°-160°	12.1	0.1
160°-170°	6.1	0.0
170°-180°	1.7	0.0
0°-30°	5620.7	40.9
0°-40°	8980.4	65.3
0°-60°	12795.7	93.0
0°-90°	13468.9	97.9
90°-120°	207.1	1.5
90°-150°	270.2	2.0
90°-180°	290.0	2.1
0°-180°	13759.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7274	
5°	7247	689
15°	6972	1968
25°	6450	2963
35°	5415	3360
45°	3274	2556
55°	1413	1259
65°	308	341
75°	249	245
85°	68	74
90°	46	27
95°	58	54
105°	91	91
115°	48	49
125°	29	26
135°	26	20
145°	27	17
155°	27	12
165°	21	6
175°	18	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7274.3
2.5°	7268.9
5°	7246.6
7.5°	7211.6
10°	7158.5
12.5°	7078.8
15°	6971.5
17.5°	6859.9
20°	6743.1
22.5°	6610.3
25°	6449.8
27.5°	6252.2
30°	6019.6
32.5°	5763.5
35°	5415.1
37.5°	5042.2
40°	4551.3
42.5°	3931.9
45°	3274.3
47.5°	2724.0
50°	2245.9
52.5°	1825.2
55°	1413.0
57.5°	1018.8
60°	596.0
62.5°	374.0
65°	308.1
67.5°	272.0
70°	258.2
72.5°	260.3
75°	248.6
77.5°	212.5
80°	154.0
82.5°	99.9
85°	68.0
87.5°	53.1
90°	45.7
92.5°	49.9
95°	58.4
97.5°	72.2
100°	85.0
102.5°	92.4
105°	91.4
107.5°	82.9
110°	70.1



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	57.4
115°	47.8
117.5°	39.3
120°	34.0
122.5°	30.8
125°	28.7
127.5°	27.6
130°	26.6
132.5°	25.5
135°	25.5
137.5°	25.5
140°	26.6
142.5°	26.6
145°	26.6
147.5°	26.6
150°	26.6
152.5°	26.6
155°	26.6
157.5°	25.5
160°	24.4
162.5°	22.3
165°	21.2
167.5°	20.2
170°	19.1
172.5°	18.1
175°	18.1
177.5°	18.1
180°	18.1

(END OF REPORT)