

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: P980576

Luminaire Tested: UHBS2-1218-M-L83065-MID-4000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980576
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-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and MID lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

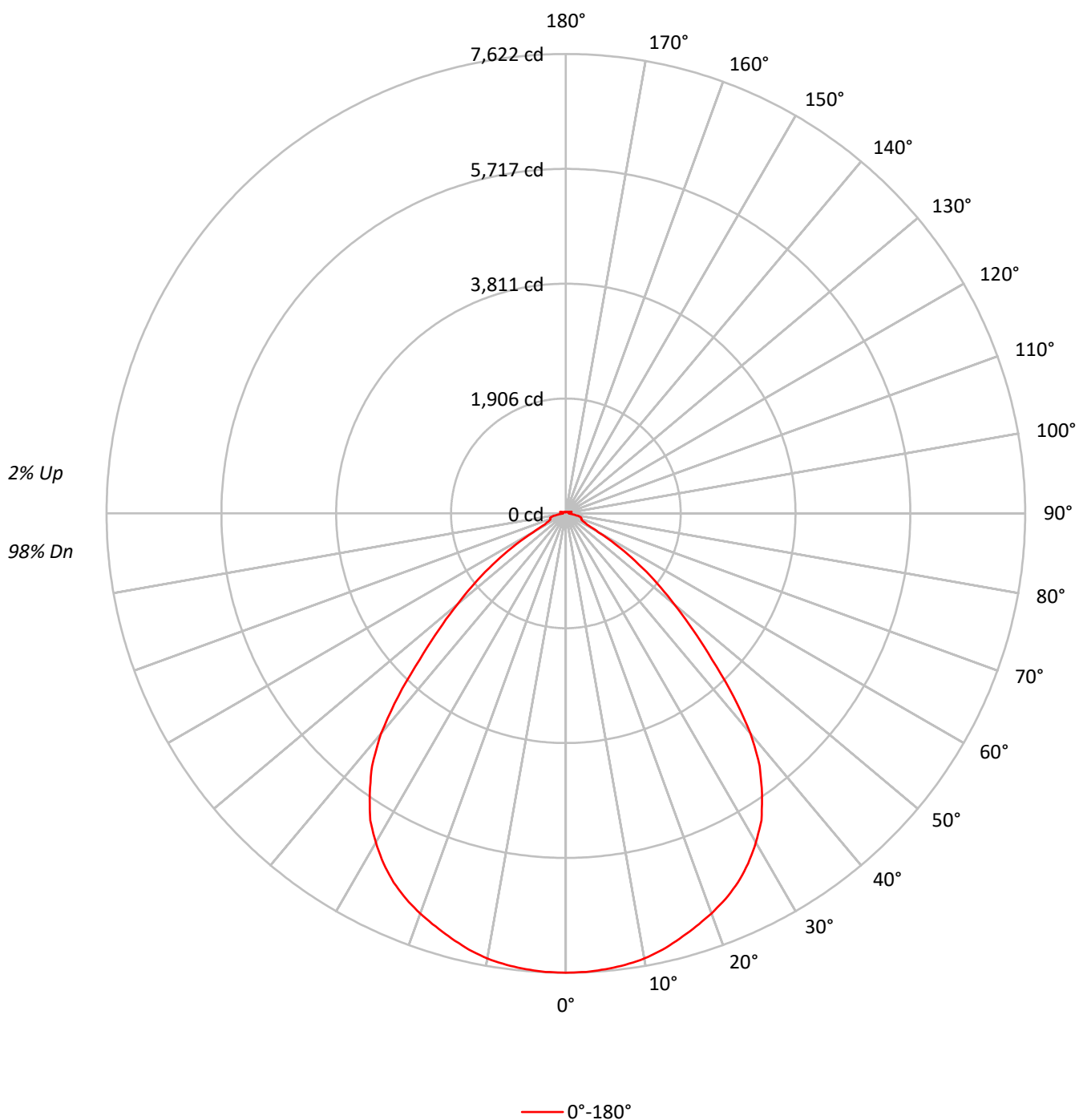
Lumens per Lamp: N/A
Luminaire Lumens: 14416.0 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 96.5
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

TEST NUMBER: P980576

CATALOG NUMBER: UHBS2-1218-M-L83065-MID-4000K-CLR3

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	96		96	94	93		92
2	103	97	92	87	101	95	90	86	91	87	84		88	85	82		85
3	96	88	81	76	94	86	80	75	83	78	74		80	76	72		77
4	89	80	72	67	87	78	72	66	76	70	65		73	68	64		71
5	83	73	65	59	81	71	64	59	69	63	58		67	62	58		65
6	78	66	59	53	76	65	58	53	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	58	52	47		57	51	47		55
8	68	56	49	44	66	55	48	43	54	48	43		53	47	43		51
9	64	52	45	40	62	51	44	40	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		45	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76830
5°	75039
10°	73247
15°	71034
20°	68940
25°	66677
30°	63418
35°	58615
40°	51057
45°	38420
50°	27845
55°	18721
60°	8549
65°	4856
70°	4556
75°	5026
80°	3677
85°	1999

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38420 cd/sqm

TEST NUMBER: P980576

CATALOG NUMBER: UHBS2-1218-M-L83065-MID-4000K-CLR3

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	721.9	5.0
10°-20°	2062.3	14.3
20°-30°	3104.9	21.5
30°-40°	3520.1	24.4
40°-50°	2677.8	18.6
50°-60°	1319.7	9.2
60°-70°	357.2	2.5
70°-80°	256.6	1.8
80°-90°	91.5	0.6
90°-100°	70.2	0.5
100°-110°	95.4	0.7
110°-120°	51.3	0.4
120°-130°	27.7	0.2
130°-140°	20.9	0.1
140°-150°	17.5	0.1
150°-160°	12.6	0.1
160°-170°	6.4	0.0
170°-180°	1.8	0.0
0°-30°	5889.1	40.9
0°-40°	9409.2	65.3
0°-60°	13406.7	93.0
0°-90°	14112.1	97.9
90°-120°	217.0	1.5
90°-150°	283.0	2.0
90°-180°	304.0	2.1
0°-180°	14416.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7622	
5°	7593	722
15°	7304	2062
25°	6758	3105
35°	5674	3520
45°	3431	2678
55°	1480	1320
65°	323	357
75°	260	257
85°	71	77
90°	48	28
95°	61	57
105°	96	95
115°	50	51
125°	30	28
135°	27	21
145°	28	17
155°	28	13
165°	22	6
175°	19	2
180°	19	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7621.6
2.5°	7616.0
5°	7592.7
7.5°	7555.9
10°	7500.3
12.5°	7416.8
15°	7304.4
17.5°	7187.5
20°	7065.0
22.5°	6925.9
25°	6757.8
27.5°	6550.8
30°	6307.0
32.5°	6038.7
35°	5673.6
37.5°	5282.9
40°	4768.7
42.5°	4119.7
45°	3430.7
47.5°	2854.1
50°	2353.2
52.5°	1912.4
55°	1480.5
57.5°	1067.5
60°	624.5
62.5°	391.8
65°	322.8
67.5°	285.0
70°	270.5
72.5°	272.7
75°	260.5
77.5°	222.6
80°	161.4
82.5°	104.6
85°	71.2
87.5°	55.7
90°	47.9
92.5°	52.3
95°	61.2
97.5°	75.7
100°	89.1
102.5°	96.8
105°	95.7
107.5°	86.8
110°	73.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	60.1
115°	50.1
117.5°	41.2
120°	35.6
122.5°	32.3
125°	30.1
127.5°	28.9
130°	27.8
132.5°	26.7
135°	26.7
137.5°	26.7
140°	27.8
142.5°	27.8
145°	27.8
147.5°	27.8
150°	27.8
152.5°	27.8
155°	27.8
157.5°	26.7
160°	25.6
162.5°	23.4
165°	22.3
167.5°	21.1
170°	20.0
172.5°	18.9
175°	18.9
177.5°	18.9
180°	18.9

(END OF REPORT)