

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: P980564

Luminaire Tested: UHBS2-1218-M-L83065-LOW-5000K-CLR3

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980564
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-LOW-5000K-CLR3
Description: UHBS2 LED High Bay at 5000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

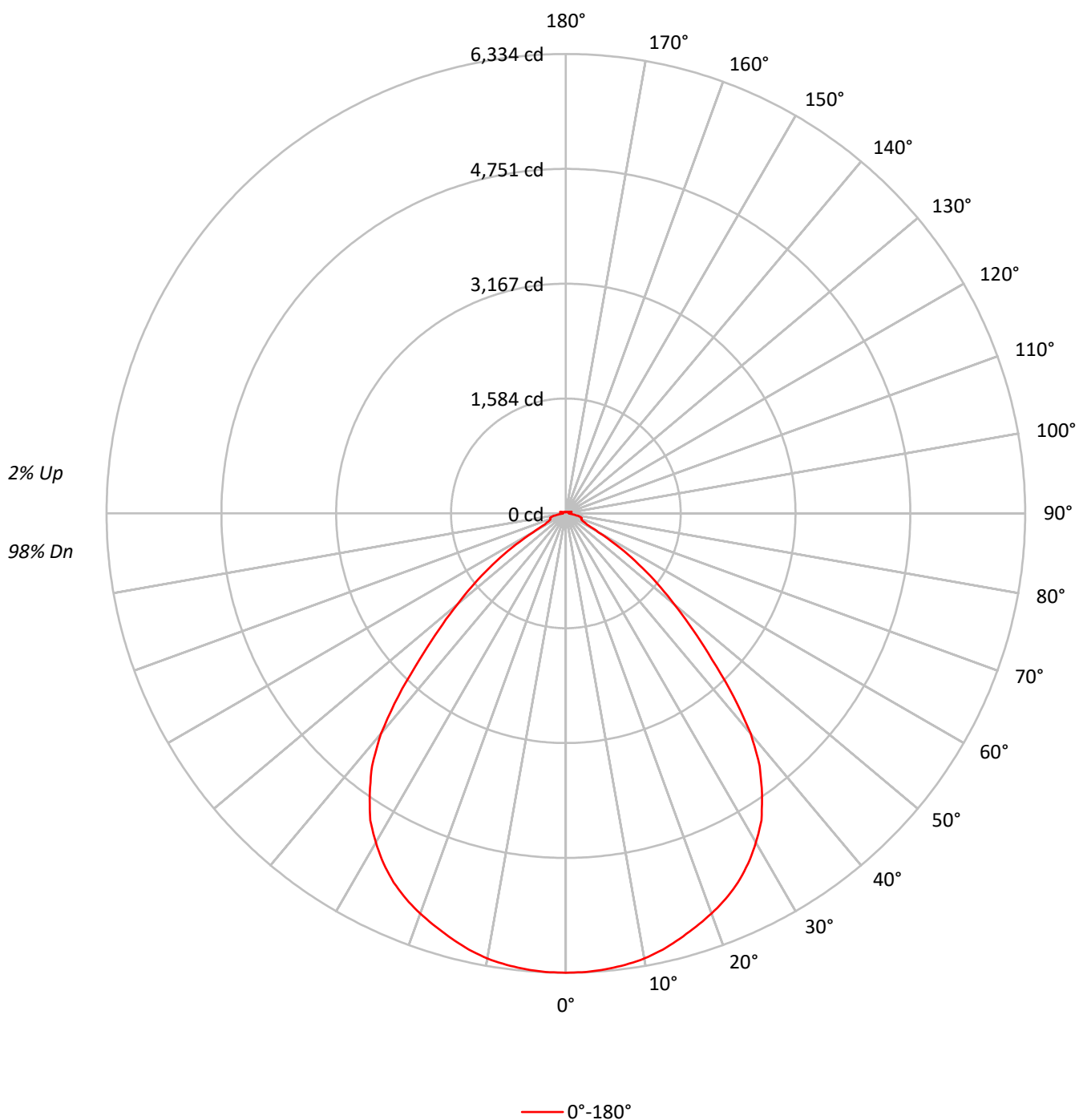
Lumens per Lamp: N/A
Luminaire Lumens: 11981.0 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 79
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.997
Total Harmonic Distortion (THDi): 7.2
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P980564

CATALOG NUMBER: UHBS2-1218-M-L83065-LOW-5000K-CLR3

Luminous Intensity Polar Plot



TEST NUMBER: P980564

CATALOG NUMBER: UHBS2-1218-M-L83065-LOW-5000K-CLR3

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	50	30	10
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°	63852
5°	62364
10°	60875
15°	59035
20°	57296
25°	55415
30°	52706
35°	48715
40°	42433
45°	31930
50°	23141
55°	15558
60°	7104
65°	4037
70°	3786
75°	4177
80°	3055
85°	1662

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31930 cd/sqm

TEST NUMBER: P980564

CATALOG NUMBER: UHBS2-1218-M-L83065-LOW-5000K-CLR3

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.0	5.0
10°-20°	1713.9	14.3
20°-30°	2580.5	21.5
30°-40°	2925.6	24.4
40°-50°	2225.5	18.6
50°-60°	1096.7	9.2
60°-70°	296.8	2.5
70°-80°	213.3	1.8
80°-90°	76.1	0.6
90°-100°	58.4	0.5
100°-110°	79.4	0.7
110°-120°	42.7	0.4
120°-130°	23.0	0.2
130°-140°	17.4	0.1
140°-150°	14.5	0.1
150°-160°	10.5	0.1
160°-170°	5.3	0.0
170°-180°	1.5	0.0
0°-30°	4894.4	40.9
0°-40°	7819.9	65.3
0°-60°	11142.2	93.0
0°-90°	11728.4	97.9
90°-120°	180.4	1.5
90°-150°	235.3	2.0
90°-180°	253.0	2.1
0°-180°	11981.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6334	
5°	6310	600
15°	6071	1714
25°	5616	2580
35°	4715	2926
45°	2851	2226
55°	1230	1097
65°	268	297
75°	216	213
85°	59	64
90°	40	23
95°	51	47
105°	80	79
115°	42	43
125°	25	23
135°	22	17
145°	23	15
155°	23	11
165°	18	5
175°	16	2
180°	16	

TEST NUMBER: P980564

CATALOG NUMBER: UHBS2-1218-M-L83065-LOW-5000K-CLR3

CANDELA DISTRIBUTION (FULL):

0°	
0°	6334.2
2.5°	6329.6
5°	6310.2
7.5°	6279.7
10°	6233.4
12.5°	6164.0
15°	6070.6
17.5°	5973.4
20°	5871.7
22.5°	5756.0
25°	5616.4
27.5°	5444.3
30°	5241.7
32.5°	5018.7
35°	4715.3
37.5°	4390.6
40°	3963.2
42.5°	3423.8
45°	2851.2
47.5°	2372.0
50°	1955.7
52.5°	1589.3
55°	1230.4
57.5°	887.2
60°	519.0
62.5°	325.6
65°	268.3
67.5°	236.8
70°	224.8
72.5°	226.7
75°	216.5
77.5°	185.0
80°	134.1
82.5°	87.0
85°	59.2
87.5°	46.3
90°	39.8
92.5°	43.5
95°	50.9
97.5°	62.9
100°	74.0
102.5°	80.5
105°	79.6
107.5°	72.2
110°	61.1



TEST NUMBER: P980564

CATALOG NUMBER: UHBS2-1218-M-L83065-LOW-5000K-CLR3

CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.0
115°	41.6
117.5°	34.2
120°	29.6
122.5°	26.8
125°	25.0
127.5°	24.1
130°	23.1
132.5°	22.2
135°	22.2
137.5°	22.2
140°	23.1
142.5°	23.1
145°	23.1
147.5°	23.1
150°	23.1
152.5°	23.1
155°	23.1
157.5°	22.2
160°	21.3
162.5°	19.4
165°	18.5
167.5°	17.6
170°	16.7
172.5°	15.7
175°	15.7
177.5°	15.7
180°	15.7

(END OF REPORT)