

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: P980561

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

Issue Date: 4/4/2025

Test Information

Test Method: LM-79-2019
Report Number: P980561
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-4000K-CLR3
Description: UHBS2 LED High Bay at 4000K and LOW lumen setting 3in Deep Clear Refractor
Light Source: -
Ballast/Driver: -

Summary

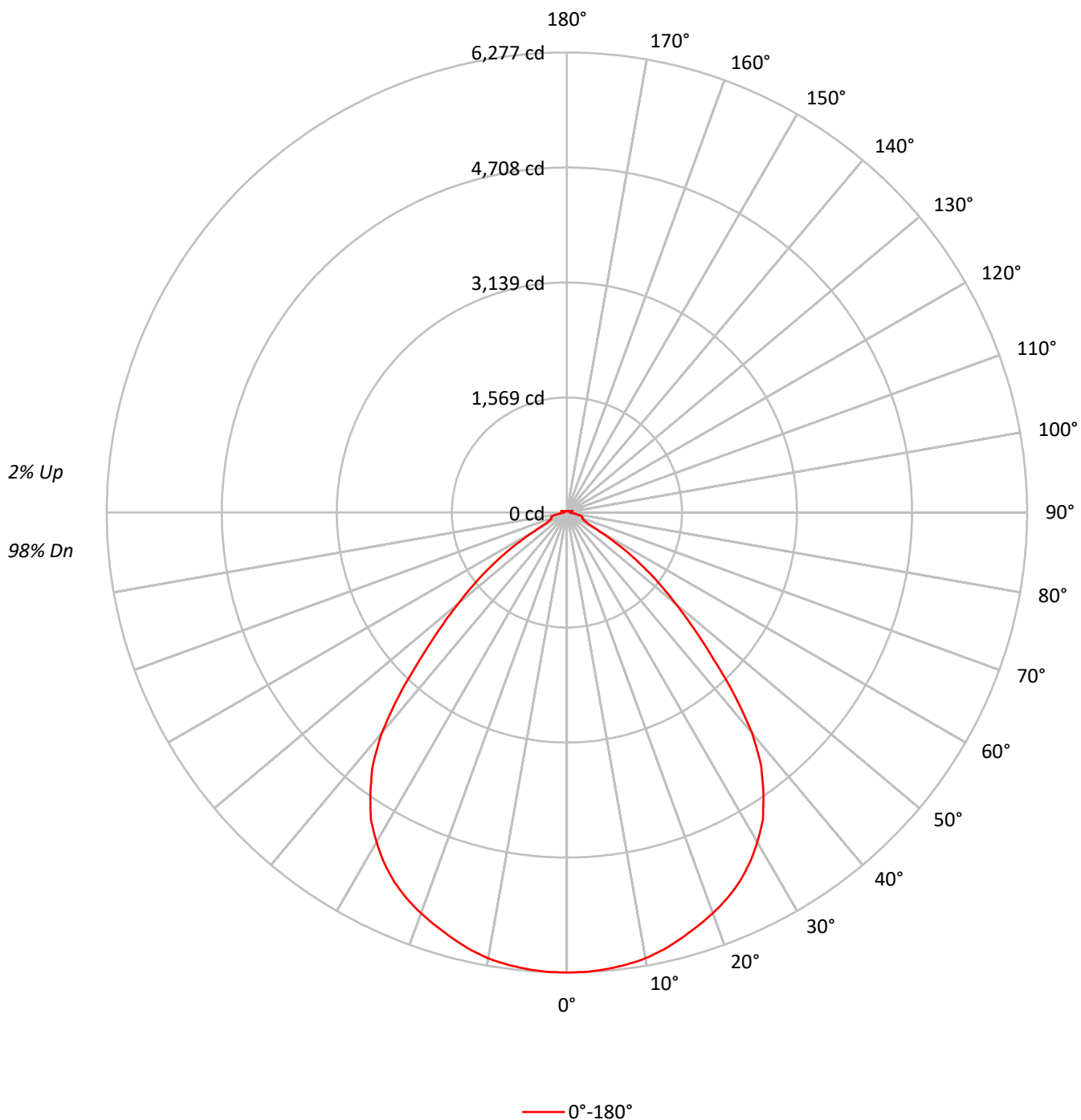
Lumens per Lamp: N/A
Luminaire Lumens: 11873.0 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.24
Luminous Opening: Vertical Cylinder (Dia: 1.17' x H: 0.25')
CIE Type: Direct

Input Watts (W): 78.6
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: P980561

CATALOG NUMBER: UHBS2-1218-M-L83065-LOW-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°	63276
5°	61801
10°	60326
15°	58503
20°	56779
25°	54915
30°	52231
35°	48276
40°	42050
45°	31642
50°	22933
55°	15418
60°	7040
65°	4000
70°	3752
75°	4138
80°	3028
85°	1648

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31642 cd/sqm

TEST NUMBER: P980561

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	594.5	5.0
10°-20°	1698.5	14.3
20°-30°	2557.2	21.5
30°-40°	2899.2	24.4
40°-50°	2205.5	18.6
50°-60°	1086.9	9.2
60°-70°	294.2	2.5
70°-80°	211.3	1.8
80°-90°	75.4	0.6
90°-100°	57.8	0.5
100°-110°	78.6	0.7
110°-120°	42.3	0.4
120°-130°	22.8	0.2
130°-140°	17.2	0.1
140°-150°	14.4	0.1
150°-160°	10.4	0.1
160°-170°	5.3	0.0
170°-180°	1.5	0.0
0°-30°	4850.3	40.9
0°-40°	7749.4	65.3
0°-60°	11041.8	93.0
0°-90°	11622.7	97.9
90°-120°	178.7	1.5
90°-150°	233.1	2.0
90°-180°	250.0	2.1
0°-180°	11873.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6277	
5°	6253	595
15°	6016	1698
25°	5566	2557
35°	4673	2899
45°	2826	2205
55°	1219	1087
65°	266	294
75°	214	211
85°	59	64
90°	39	23
95°	50	47
105°	79	79
115°	41	42
125°	25	23
135°	22	17
145°	23	14
155°	23	10
165°	18	5
175°	16	2
180°	16	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6277.1
2.5°	6272.6
5°	6253.3
7.5°	6223.1
10°	6177.2
12.5°	6108.5
15°	6015.9
17.5°	5919.6
20°	5818.8
22.5°	5704.2
25°	5565.7
27.5°	5395.2
30°	5194.4
32.5°	4973.5
35°	4672.8
37.5°	4351.0
40°	3927.5
42.5°	3393.0
45°	2825.5
47.5°	2350.6
50°	1938.1
52.5°	1575.0
55°	1219.3
57.5°	879.2
60°	514.3
62.5°	322.7
65°	265.9
67.5°	234.7
70°	222.8
72.5°	224.6
75°	214.5
77.5°	183.4
80°	132.9
82.5°	86.2
85°	58.7
87.5°	45.8
90°	39.4
92.5°	43.1
95°	50.4
97.5°	62.3
100°	73.3
102.5°	79.8
105°	78.8
107.5°	71.5
110°	60.5



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	49.5
115°	41.3
117.5°	33.9
120°	29.3
122.5°	26.6
125°	24.8
127.5°	23.8
130°	22.9
132.5°	22.0
135°	22.0
137.5°	22.0
140°	22.9
142.5°	22.9
145°	22.9
147.5°	22.9
150°	22.9
152.5°	22.9
155°	22.9
157.5°	22.0
160°	21.1
162.5°	19.3
165°	18.3
167.5°	17.4
170°	16.5
172.5°	15.6
175°	15.6
177.5°	15.6
180°	15.6

(END OF REPORT)