

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504628

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504628
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

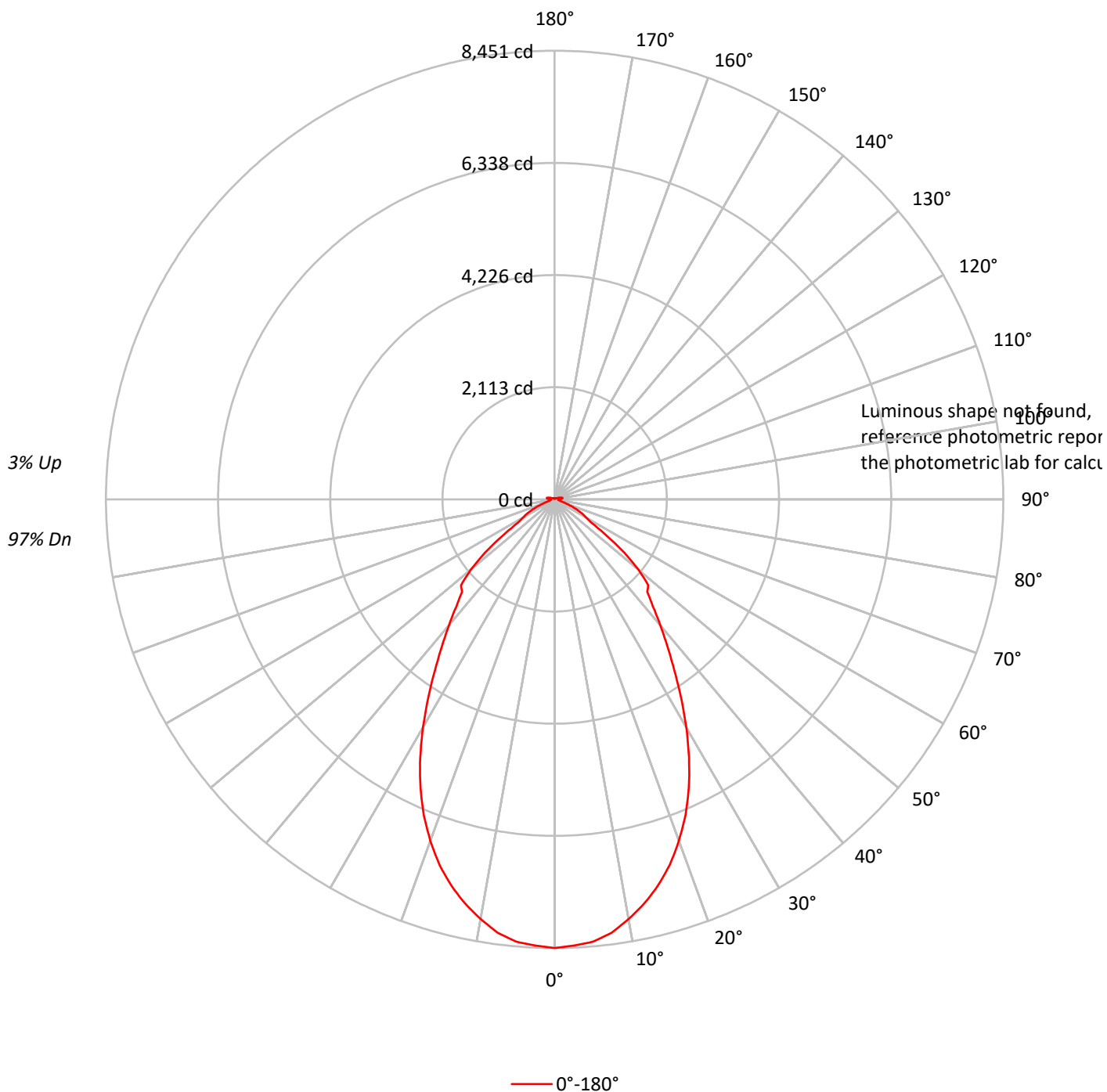
Lumens per Lamp: N/A
Luminaire Lumens: 12245.4 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	42		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.4	6.4
10°-20°	2107.5	17.2
20°-30°	2728.2	22.3
30°-40°	2467.6	20.2
40°-50°	1960.6	16.0
50°-60°	1120.8	9.2
60°-70°	461.5	3.8
70°-80°	136.1	1.1
80°-90°	79.4	0.6
90°-100°	137.8	1.1
100°-110°	133.8	1.1
110°-120°	61.2	0.5
120°-130°	22.5	0.2
130°-140°	14.5	0.1
140°-150°	11.7	0.1
150°-160°	8.4	0.1
160°-170°	4.7	0.0
170°-180°	1.4	0.0
0°-30°	5623.1	45.9
0°-40°	8090.7	66.1
0°-60°	11172.2	91.2
0°-90°	11849.1	96.8
90°-120°	332.9	2.7
90°-150°	381.7	3.1
90°-180°	396.0	3.2
0°-180°	12245.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8451	
5°	8362	787
15°	7528	2107
25°	5982	2728
35°	3926	2468
45°	2463	1961
55°	1200	1121
65°	474	462
75°	114	136
85°	67	57
90°	87	49
95°	131	111
105°	128	134
115°	59	61
125°	23	23
135°	18	15
145°	18	12
155°	18	8
165°	17	5
175°	14	1
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8451.2
2.5°	8410.3
5°	8362.0
7.5°	8231.9
10°	8027.7
12.5°	7797.6
15°	7528.3
17.5°	7216.5
20°	6843.0
22.5°	6437.0
25°	5981.8
27.5°	5480.7
30°	4955.5
32.5°	4426.9
35°	3925.9
37.5°	3480.7
40°	3094.7
42.5°	2743.7
45°	2462.7
47.5°	2392.7
50°	2059.2
52.5°	1659.9
55°	1200.5
57.5°	818.7
60°	691.1
62.5°	586.1
65°	473.5
67.5°	350.2
70°	232.6
72.5°	152.6
75°	114.2
77.5°	94.2
80°	78.4
82.5°	68.4
85°	66.7
87.5°	73.4
90°	86.7
92.5°	108.4
95°	130.9
97.5°	147.6
100°	150.9
102.5°	143.4
105°	128.4
107.5°	111.7
110°	92.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	75.9
115°	59.2
117.5°	45.9
120°	35.8
122.5°	28.3
125°	23.3
127.5°	20.8
130°	19.2
132.5°	18.3
135°	18.3
137.5°	19.2
140°	19.2
142.5°	19.2
145°	18.3
147.5°	18.3
150°	18.3
152.5°	18.3
155°	18.3
157.5°	18.3
160°	17.5
162.5°	17.5
165°	16.7
167.5°	15.8
170°	15.0
172.5°	15.0
175°	14.2
177.5°	15.0
180°	15.0

(END OF REPORT)