

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: P1504627

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504627
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-32)
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_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

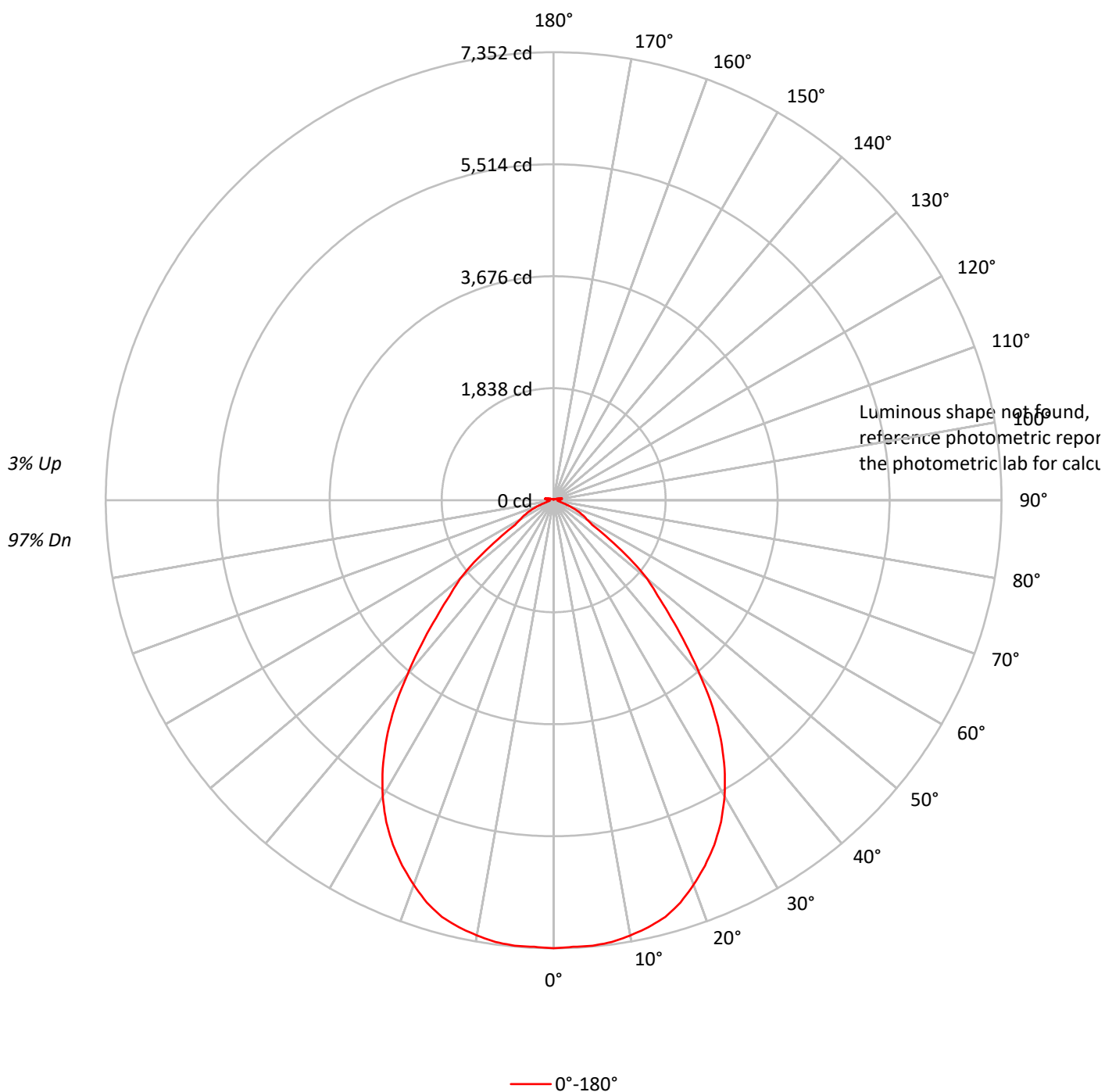
Lumens per Lamp: N/A
Luminaire Lumens: 12748.9 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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	84	82	84	82	79	77		
3	96	88	82	77	94	86	80	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	87	79	72	67	76	70	66	73	69	65	71	67	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	60	49	42	37	47	41	37	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	697.8	5.5
10°-20°	1988.3	15.6
20°-30°	2860.1	22.4
30°-40°	2957.0	23.2
40°-50°	2133.9	16.7
50°-60°	1052.2	8.3
60°-70°	448.0	3.5
70°-80°	150.1	1.2
80°-90°	75.8	0.6
90°-100°	126.0	1.0
100°-110°	129.3	1.0
110°-120°	62.2	0.5
120°-130°	24.1	0.2
130°-140°	15.8	0.1
140°-150°	12.8	0.1
150°-160°	9.1	0.1
160°-170°	4.9	0.0
170°-180°	1.4	0.0
0°-30°	5546.2	43.5
0°-40°	8503.2	66.7
0°-60°	11689.3	91.7
0°-90°	12363.3	97.0
90°-120°	317.5	2.5
90°-150°	370.1	2.9
90°-180°	386.0	3.0
0°-180°	12748.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7352	
5°	7338	698
15°	7080	1988
25°	6239	2860
35°	4785	2957
45°	2728	2134
55°	1116	1052
65°	463	448
75°	126	150
85°	63	56
90°	78	44
95°	119	102
105°	125	129
115°	61	62
125°	25	24
135°	20	16
145°	20	13
155°	20	9
165°	18	5
175°	14	1
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7351.5
2.5°	7335.7
5°	7338.2
7.5°	7313.2
10°	7251.5
12.5°	7179.0
15°	7079.8
17.5°	6922.2
20°	6715.4
22.5°	6490.3
25°	6239.4
27.5°	5951.8
30°	5610.8
32.5°	5223.1
35°	4784.6
37.5°	4294.4
40°	3733.3
42.5°	3210.6
45°	2727.9
47.5°	2312.7
50°	1999.2
52.5°	1570.7
55°	1115.5
57.5°	747.0
60°	630.3
62.5°	546.9
65°	462.7
67.5°	361.0
70°	258.4
72.5°	175.1
75°	125.9
77.5°	100.0
80°	80.0
82.5°	68.4
85°	63.4
87.5°	67.5
90°	77.5
92.5°	96.7
95°	119.2
97.5°	136.7
100°	141.7
102.5°	136.7
105°	125.1
107.5°	109.2
110°	92.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	75.9
115°	60.9
117.5°	47.5
120°	37.5
122.5°	30.0
125°	25.0
127.5°	22.5
130°	20.8
132.5°	20.0
135°	20.0
137.5°	20.8
140°	20.8
142.5°	20.8
145°	20.0
147.5°	20.0
150°	20.0
152.5°	20.0
155°	20.0
157.5°	19.2
160°	19.2
162.5°	18.3
165°	17.5
167.5°	15.8
170°	15.0
172.5°	14.2
175°	14.2
177.5°	15.0
180°	15.0

(END OF REPORT)