

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: P1504619

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504619
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

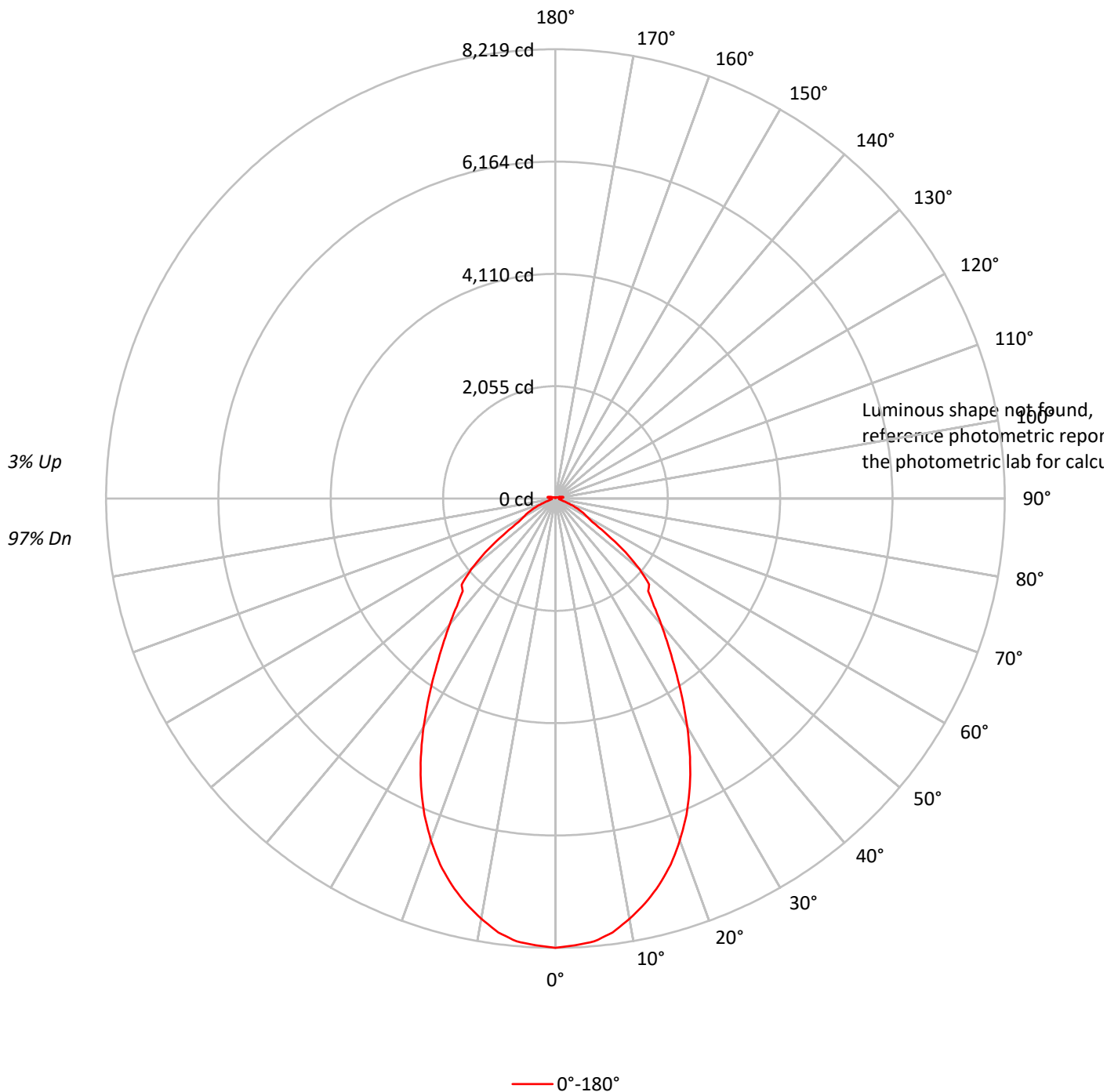
Lumens per Lamp: N/A
Luminaire Lumens: 11909.3 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 82.8
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



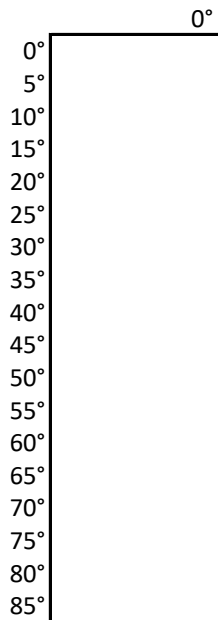
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	765.8	6.4
10°-20°	2049.6	17.2
20°-30°	2653.3	22.3
30°-40°	2399.9	20.2
40°-50°	1906.8	16.0
50°-60°	1090.0	9.2
60°-70°	448.8	3.8
70°-80°	132.3	1.1
80°-90°	77.2	0.6
90°-100°	134.0	1.1
100°-110°	130.2	1.1
110°-120°	59.5	0.5
120°-130°	22.0	0.2
130°-140°	14.1	0.1
140°-150°	11.4	0.1
150°-160°	8.2	0.1
160°-170°	4.6	0.0
170°-180°	1.4	0.0
0°-30°	5468.8	45.9
0°-40°	7868.7	66.1
0°-60°	10865.5	91.2
0°-90°	11523.9	96.8
90°-120°	323.8	2.7
90°-150°	371.2	3.1
90°-180°	385.0	3.2
0°-180°	11909.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8219	
5°	8132	766
15°	7322	2050
25°	5818	2653
35°	3818	2400
45°	2395	1907
55°	1168	1090
65°	460	449
75°	111	132
85°	65	56
90°	84	47
95°	127	108
105°	125	130
115°	58	60
125°	23	22
135°	18	14
145°	18	11
155°	18	8
165°	16	5
175°	14	1
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8219.2
2.5°	8179.5
5°	8132.5
7.5°	8006.0
10°	7807.3
12.5°	7583.6
15°	7321.7
17.5°	7018.4
20°	6655.2
22.5°	6260.3
25°	5817.6
27.5°	5330.3
30°	4819.5
32.5°	4305.4
35°	3818.1
37.5°	3385.2
40°	3009.7
42.5°	2668.4
45°	2395.1
47.5°	2327.0
50°	2002.7
52.5°	1614.3
55°	1167.6
57.5°	796.2
60°	672.2
62.5°	570.0
65°	460.5
67.5°	340.5
70°	226.2
72.5°	148.4
75°	111.1
77.5°	91.6
80°	76.2
82.5°	66.5
85°	64.9
87.5°	71.4
90°	84.3
92.5°	105.4
95°	127.3
97.5°	143.5
100°	146.8
102.5°	139.5
105°	124.9
107.5°	108.6
110°	90.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	73.8
115°	57.6
117.5°	44.6
120°	34.9
122.5°	27.6
125°	22.7
127.5°	20.3
130°	18.6
132.5°	17.8
135°	17.8
137.5°	18.6
140°	18.6
142.5°	18.6
145°	17.8
147.5°	17.8
150°	17.8
152.5°	17.8
155°	17.8
157.5°	17.8
160°	17.0
162.5°	17.0
165°	16.2
167.5°	15.4
170°	14.6
172.5°	14.6
175°	13.8
177.5°	14.6
180°	14.6

(END OF REPORT)