

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: P1504268

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504268
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-19)
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-A-04-CLER-PS (3500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

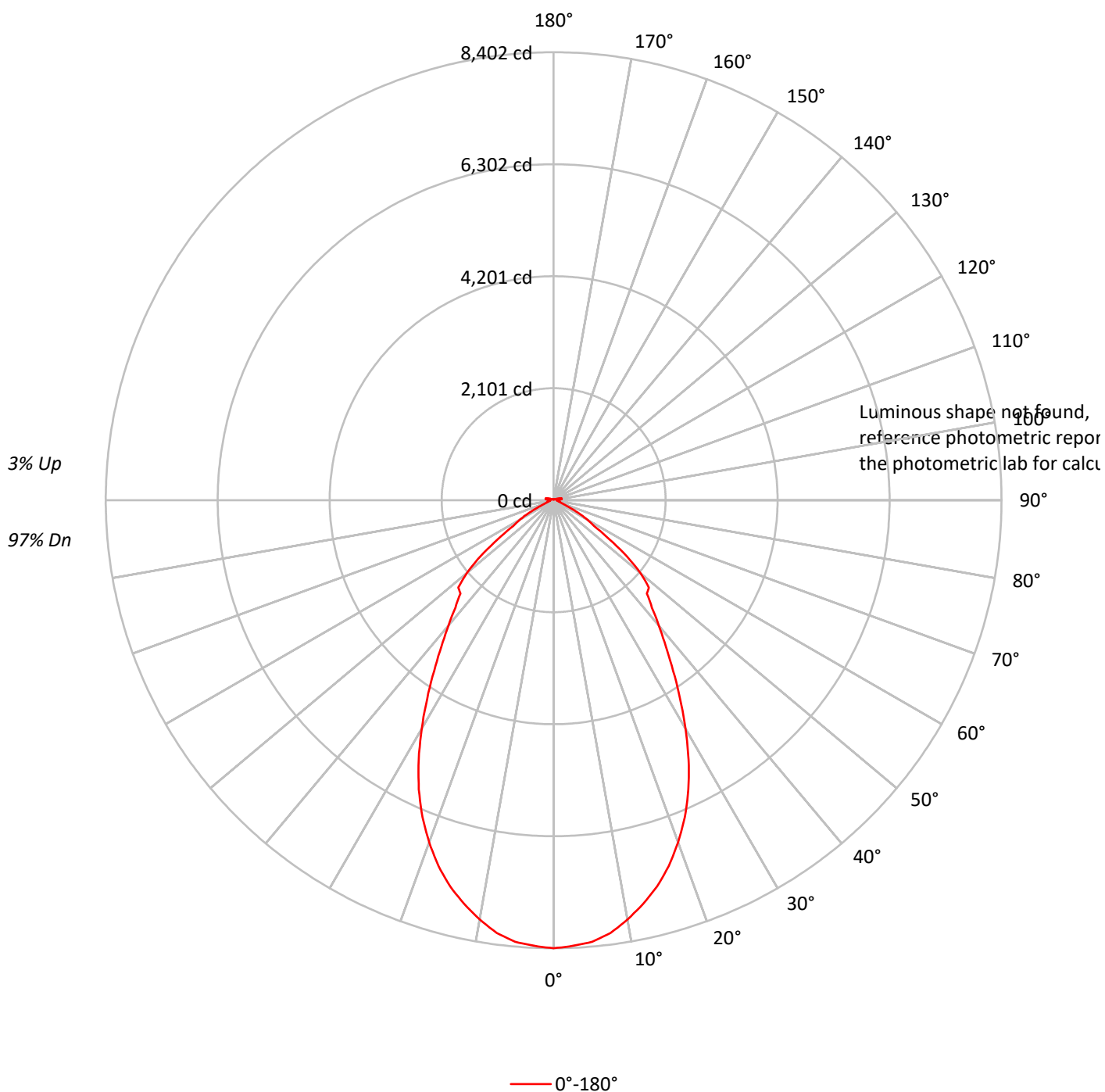
Lumens per Lamp: N/A
Luminaire Lumens: 12223.3 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	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°	783.0	6.4
10°-20°	2098.9	17.2
20°-30°	2726.8	22.3
30°-40°	2456.3	20.1
40°-50°	1971.1	16.1
50°-60°	1184.8	9.7
60°-70°	387.9	3.2
70°-80°	124.1	1.0
80°-90°	77.9	0.6
90°-100°	134.0	1.1
100°-110°	145.1	1.2
110°-120°	66.5	0.5
120°-130°	24.5	0.2
130°-140°	15.0	0.1
140°-150°	12.6	0.1
150°-160°	9.1	0.1
160°-170°	4.5	0.0
170°-180°	1.3	0.0
0°-30°	5608.6	45.9
0°-40°	8065.0	66.0
0°-60°	11220.9	91.8
0°-90°	11810.7	96.6
90°-120°	345.5	2.8
90°-150°	397.7	3.3
90°-180°	413.0	3.4
0°-180°	12223.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8402	
5°	8313	783
15°	7499	2099
25°	5983	2727
35°	3908	2456
45°	2473	1971
55°	1277	1185
65°	354	388
75°	116	124
85°	65	57
90°	81	46
95°	125	109
105°	142	145
115°	64	66
125°	26	25
135°	19	15
145°	20	13
155°	20	9
165°	16	5
175°	12	1
180°	12	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8402.0
2.5°	8365.3
5°	8312.8
7.5°	8185.2
10°	7983.5
12.5°	7755.9
15°	7499.1
17.5°	7190.6
20°	6827.1
22.5°	6431.1
25°	5983.4
27.5°	5482.4
30°	4948.8
32.5°	4416.9
35°	3908.4
37.5°	3454.0
40°	3069.7
42.5°	2727.9
45°	2472.7
47.5°	2424.4
50°	2130.1
52.5°	1729.9
55°	1277.2
57.5°	897.1
60°	741.2
62.5°	546.9
65°	353.5
67.5°	226.8
70°	161.7
72.5°	131.7
75°	115.9
77.5°	100.0
80°	83.4
82.5°	69.2
85°	65.0
87.5°	69.2
90°	80.9
92.5°	101.7
95°	125.1
97.5°	145.9
100°	156.7
102.5°	154.2
105°	141.7
107.5°	122.6
110°	101.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	81.7
115°	64.2
117.5°	50.0
120°	39.2
122.5°	30.8
125°	25.8
127.5°	22.5
130°	20.0
132.5°	19.2
135°	19.2
137.5°	19.2
140°	20.0
142.5°	20.0
145°	20.0
147.5°	20.0
150°	20.8
152.5°	20.0
155°	20.0
157.5°	19.2
160°	17.5
162.5°	16.7
165°	15.8
167.5°	15.0
170°	14.2
172.5°	13.3
175°	12.5
177.5°	12.5
180°	12.5

(END OF REPORT)