

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: P1504871

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504871
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-61)
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-06-TRWH-PS (5000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

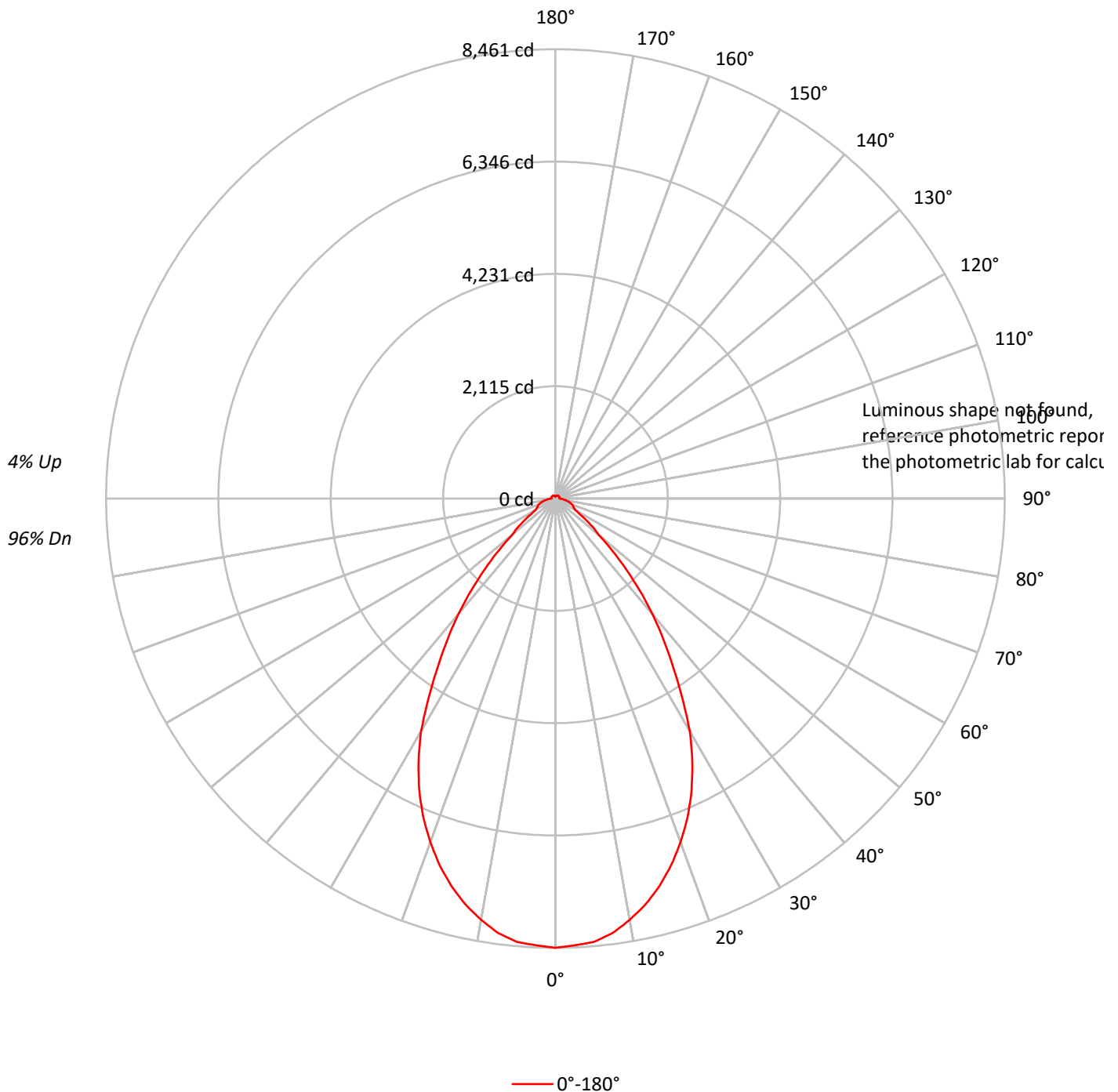
Lumens per Lamp: N/A
Luminaire Lumens: 11430.7 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.1
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	103	103	103	98	98	98	96		
1	111	107	104	101	108	104	101	99	99	97	95	95	93	91	91	89	88	86		
2	103	97	92	88	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	97	89	82	77	94	87	81	76	83	79	75	80	76	73	78	74	71	69		
4	90	81	74	69	88	80	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	75	67	62	83	73	67	62	71	65	61	69	64	60	67	62	59	57		
6	80	69	62	57	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	57	52	73	63	56	51	61	55	51	60	54	50	58	53	50	48		
8	71	59	52	47	69	59	52	47	57	51	47	56	50	46	54	49	46	44		
9	67	55	49	44	65	55	48	44	53	47	43	52	47	43	51	46	43	41		
10	63	52	45	41	62	51	45	41	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.3	6.9
10°-20°	2116.2	18.5
20°-30°	2766.0	24.2
30°-40°	2416.8	21.1
40°-50°	1454.9	12.7
50°-60°	636.0	5.6
60°-70°	373.4	3.3
70°-80°	287.3	2.5
80°-90°	147.7	1.3
90°-100°	80.3	0.7
100°-110°	80.1	0.7
110°-120°	75.2	0.7
120°-130°	66.1	0.6
130°-140°	54.3	0.5
140°-150°	41.4	0.4
150°-160°	27.7	0.2
160°-170°	14.1	0.1
170°-180°	3.9	0.0
0°-30°	5671.5	49.6
0°-40°	8088.3	70.8
0°-60°	10179.2	89.1
0°-90°	10987.6	96.1
90°-120°	235.7	2.1
90°-150°	397.4	3.5
90°-180°	443.0	3.9
0°-180°	11430.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8461	
5°	8379	789
15°	7558	2116
25°	6066	2766
35°	3848	2417
45°	1866	1455
55°	694	636
65°	372	373
75°	274	287
85°	134	124
90°	74	44
95°	74	60
105°	76	80
115°	76	75
125°	74	66
135°	70	54
145°	65	41
155°	60	28
165°	49	14
175°	39	4
180°	39	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8460.6
2.5°	8421.3
5°	8378.8
7.5°	8252.9
10°	8055.7
12.5°	7830.0
15°	7557.6
17.5°	7241.9
20°	6886.1
22.5°	6497.6
25°	6065.7
27.5°	5582.3
30°	5057.2
32.5°	4432.3
35°	3847.5
37.5°	3333.0
40°	2839.0
42.5°	2345.8
45°	1865.7
47.5°	1447.7
50°	1066.6
52.5°	888.3
55°	694.4
57.5°	528.4
60°	433.5
62.5°	394.2
65°	372.2
67.5°	356.6
70°	334.5
72.5°	306.7
75°	274.0
77.5°	238.8
80°	202.8
82.5°	168.5
85°	134.1
87.5°	101.4
90°	73.6
92.5°	72.0
95°	73.6
97.5°	74.4
100°	75.2
102.5°	75.2
105°	76.1
107.5°	76.1
110°	76.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	76.1
115°	76.1
117.5°	75.2
120°	75.2
122.5°	74.4
125°	73.6
127.5°	72.8
130°	72.0
132.5°	71.2
135°	70.3
137.5°	68.7
140°	67.9
142.5°	67.1
145°	65.4
147.5°	64.6
150°	63.8
152.5°	62.2
155°	59.7
157.5°	57.3
160°	54.8
162.5°	52.3
165°	49.1
167.5°	46.6
170°	43.3
172.5°	40.1
175°	39.3
177.5°	39.3
180°	39.3

(END OF REPORT)