

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: P1504844

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504844
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 (3000K_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

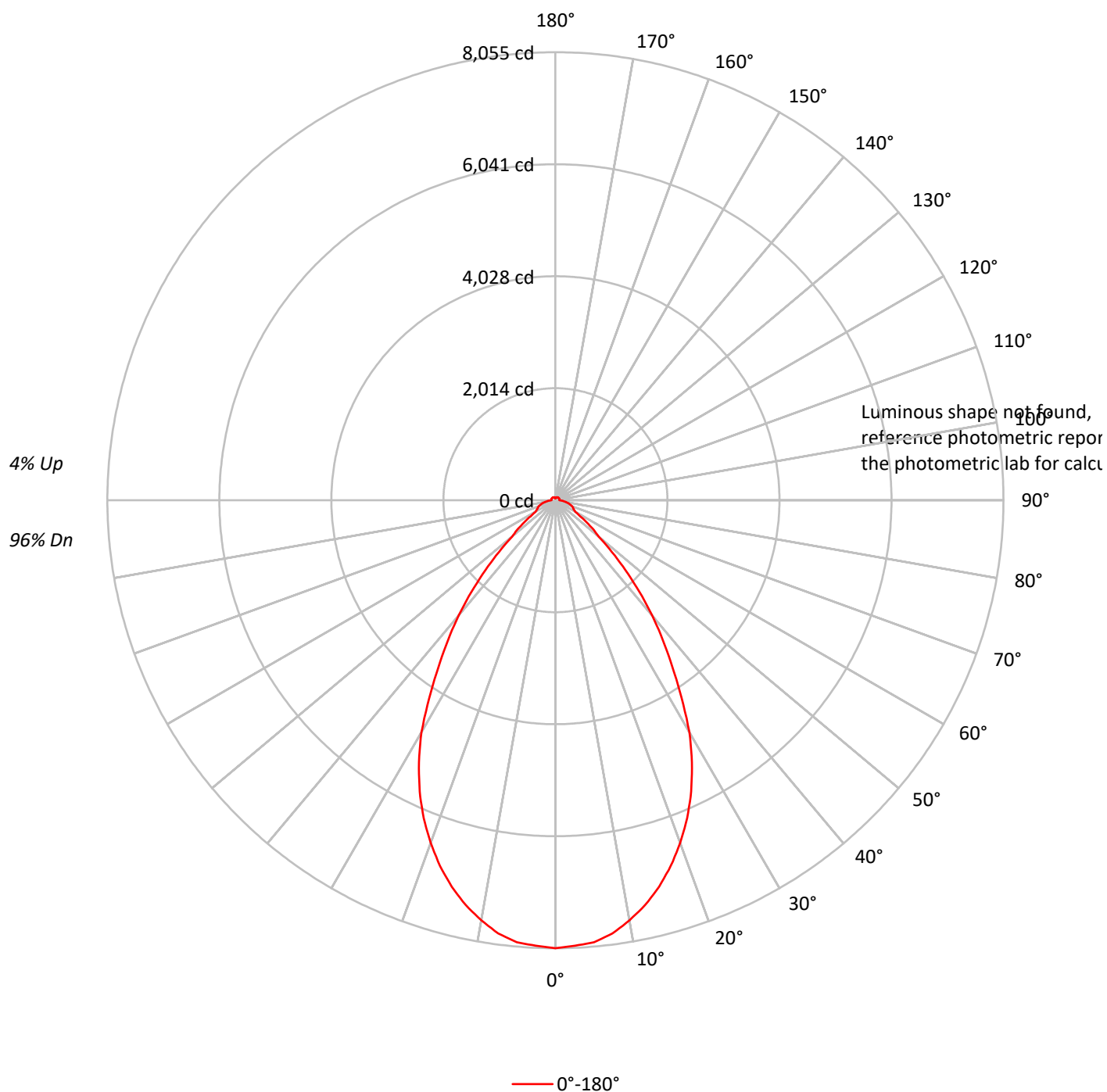
Lumens per Lamp: N/A
Luminaire Lumens: 10882.1 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





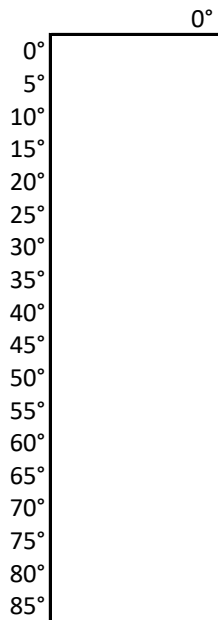
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	751.4	6.9
10°-20°	2014.6	18.5
20°-30°	2633.2	24.2
30°-40°	2300.8	21.1
40°-50°	1385.1	12.7
50°-60°	605.5	5.6
60°-70°	355.5	3.3
70°-80°	273.5	2.5
80°-90°	140.7	1.3
90°-100°	76.5	0.7
100°-110°	76.3	0.7
110°-120°	71.6	0.7
120°-130°	62.9	0.6
130°-140°	51.7	0.5
140°-150°	39.4	0.4
150°-160°	26.4	0.2
160°-170°	13.5	0.1
170°-180°	3.7	0.0
0°-30°	5399.3	49.6
0°-40°	7700.1	70.8
0°-60°	9690.7	89.1
0°-90°	10460.3	96.1
90°-120°	224.3	2.1
90°-150°	378.3	3.5
90°-180°	422.0	3.9
0°-180°	10882.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8055	
5°	7977	751
15°	7195	2015
25°	5775	2633
35°	3663	2301
45°	1776	1385
55°	661	605
65°	354	355
75°	261	274
85°	128	118
90°	70	42
95°	70	57
105°	72	76
115°	72	72
125°	70	63
135°	67	52
145°	62	39
155°	57	26
165°	47	13
175°	37	4
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8054.6
2.5°	8017.2
5°	7976.7
7.5°	7856.8
10°	7669.1
12.5°	7454.2
15°	7194.9
17.5°	6894.3
20°	6555.6
22.5°	6185.8
25°	5774.6
27.5°	5314.4
30°	4814.5
32.5°	4219.6
35°	3662.9
37.5°	3173.1
40°	2702.8
42.5°	2233.2
45°	1776.1
47.5°	1378.2
50°	1015.4
52.5°	845.6
55°	661.1
57.5°	503.0
60°	412.7
62.5°	375.3
65°	354.3
67.5°	339.5
70°	318.5
72.5°	292.0
75°	260.9
77.5°	227.4
80°	193.1
82.5°	160.4
85°	127.7
87.5°	96.6
90°	70.1
92.5°	68.5
95°	70.1
97.5°	70.9
100°	71.6
102.5°	71.6
105°	72.4
107.5°	72.4
110°	72.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	72.4
115°	72.4
117.5°	71.6
120°	71.6
122.5°	70.9
125°	70.1
127.5°	69.3
130°	68.5
132.5°	67.7
135°	67.0
137.5°	65.4
140°	64.6
142.5°	63.9
145°	62.3
147.5°	61.5
150°	60.7
152.5°	59.2
155°	56.8
157.5°	54.5
160°	52.2
162.5°	49.8
165°	46.7
167.5°	44.4
170°	41.3
172.5°	38.2
175°	37.4
177.5°	37.4
180°	37.4

(END OF REPORT)