

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: P1504854

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504854
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-63)
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 (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

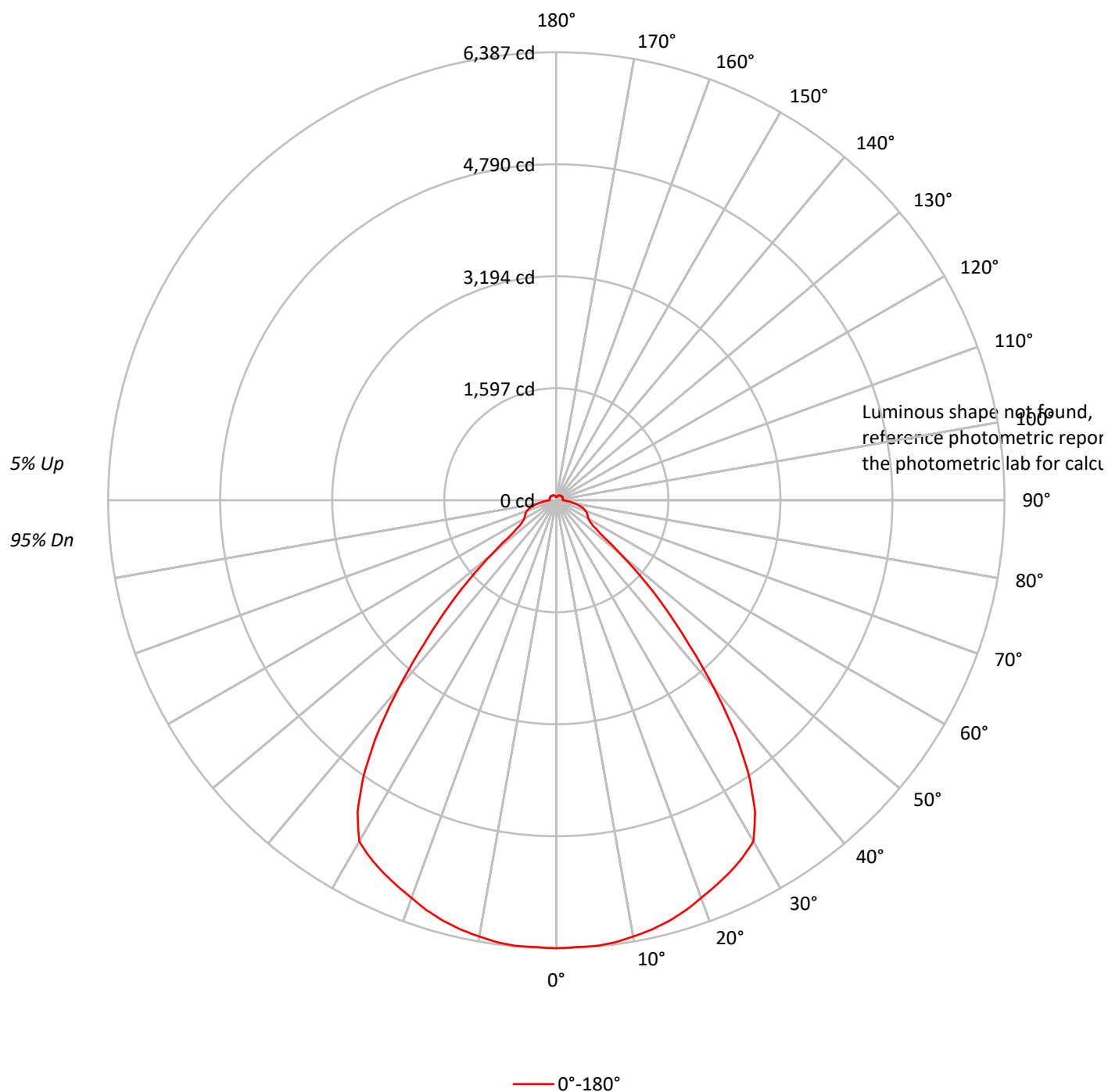
Lumens per Lamp: N/A
Luminaire Lumens: 11991.9 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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



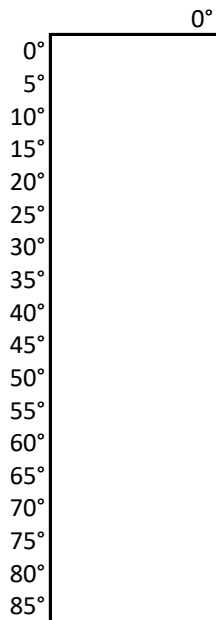
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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	108	108	108	103	103	103	98	98	98	95			
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	89	88	86	84			
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77	74			
3	95	86	80	75	92	85	79	74	81	76	72	78	74	70	75	71	68	66			
4	89	79	71	66	86	77	70	65	74	68	64	71	67	63	69	65	61	59			
5	83	72	64	59	80	71	64	58	68	62	57	66	60	56	64	59	55	53			
6	77	66	58	53	75	65	58	53	63	56	52	61	55	51	59	54	50	48			
7	72	61	53	48	70	60	53	48	58	52	47	56	51	46	55	50	46	44			
8	68	56	49	44	66	55	48	43	54	47	43	52	47	42	51	46	42	40			
9	64	52	45	40	62	51	44	40	50	44	39	49	43	39	47	42	39	37			
10	60	48	41	37	59	48	41	37	47	40	36	45	40	36	44	39	36	34			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.9	5.1
10°-20°	1752.5	14.6
20°-30°	2698.5	22.5
30°-40°	2925.3	24.4
40°-50°	1739.3	14.5
50°-60°	643.3	5.4
60°-70°	484.1	4.0
70°-80°	384.8	3.2
80°-90°	189.6	1.6
90°-100°	103.3	0.9
100°-110°	103.5	0.9
110°-120°	97.1	0.8
120°-130°	85.2	0.7
130°-140°	69.5	0.6
140°-150°	52.4	0.4
150°-160°	34.6	0.3
160°-170°	17.3	0.1
170°-180°	4.6	0.0
0°-30°	5058.0	42.2
0°-40°	7983.3	66.6
0°-60°	10365.9	86.4
0°-90°	11424.4	95.3
90°-120°	303.9	2.5
90°-150°	510.9	4.3
90°-180°	568.0	4.7
0°-180°	11991.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6387	
5°	6380	607
15°	6210	1753
25°	5852	2699
35°	4785	2925
45°	2240	1739
55°	637	643
65°	489	484
75°	370	385
85°	170	159
90°	94	56
95°	94	78
105°	98	103
115°	98	97
125°	95	85
135°	90	69
145°	83	52
155°	75	35
165°	60	17
175°	46	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6387.2
2.5°	6376.9
5°	6380.1
7.5°	6360.2
10°	6315.8
12.5°	6270.6
15°	6209.5
17.5°	6131.0
20°	6035.8
22.5°	5943.7
25°	5851.7
27.5°	5745.4
30°	5618.5
32.5°	5271.8
35°	4784.7
37.5°	4181.7
40°	3493.1
42.5°	2812.4
45°	2239.6
47.5°	1703.3
50°	1209.9
52.5°	810.8
55°	637.1
57.5°	574.4
60°	527.6
62.5°	506.9
65°	488.7
67.5°	470.5
70°	445.9
72.5°	411.7
75°	369.7
77.5°	319.7
80°	267.4
82.5°	216.6
85°	169.8
87.5°	128.5
90°	94.4
92.5°	92.8
95°	94.4
97.5°	96.0
100°	96.8
102.5°	97.6
105°	97.6
107.5°	98.4
110°	98.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	98.4
115°	97.6
117.5°	97.6
120°	96.8
122.5°	96.0
125°	95.2
127.5°	93.6
130°	92.8
132.5°	91.2
135°	89.6
137.5°	88.1
140°	86.5
142.5°	84.9
145°	83.3
147.5°	81.7
150°	80.1
152.5°	77.7
155°	74.6
157.5°	71.4
160°	68.2
162.5°	64.3
165°	60.3
167.5°	56.3
170°	52.4
172.5°	48.4
175°	46.0
177.5°	46.8
180°	46.0

(END OF REPORT)