

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: P1504881

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504881
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 (6500K_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

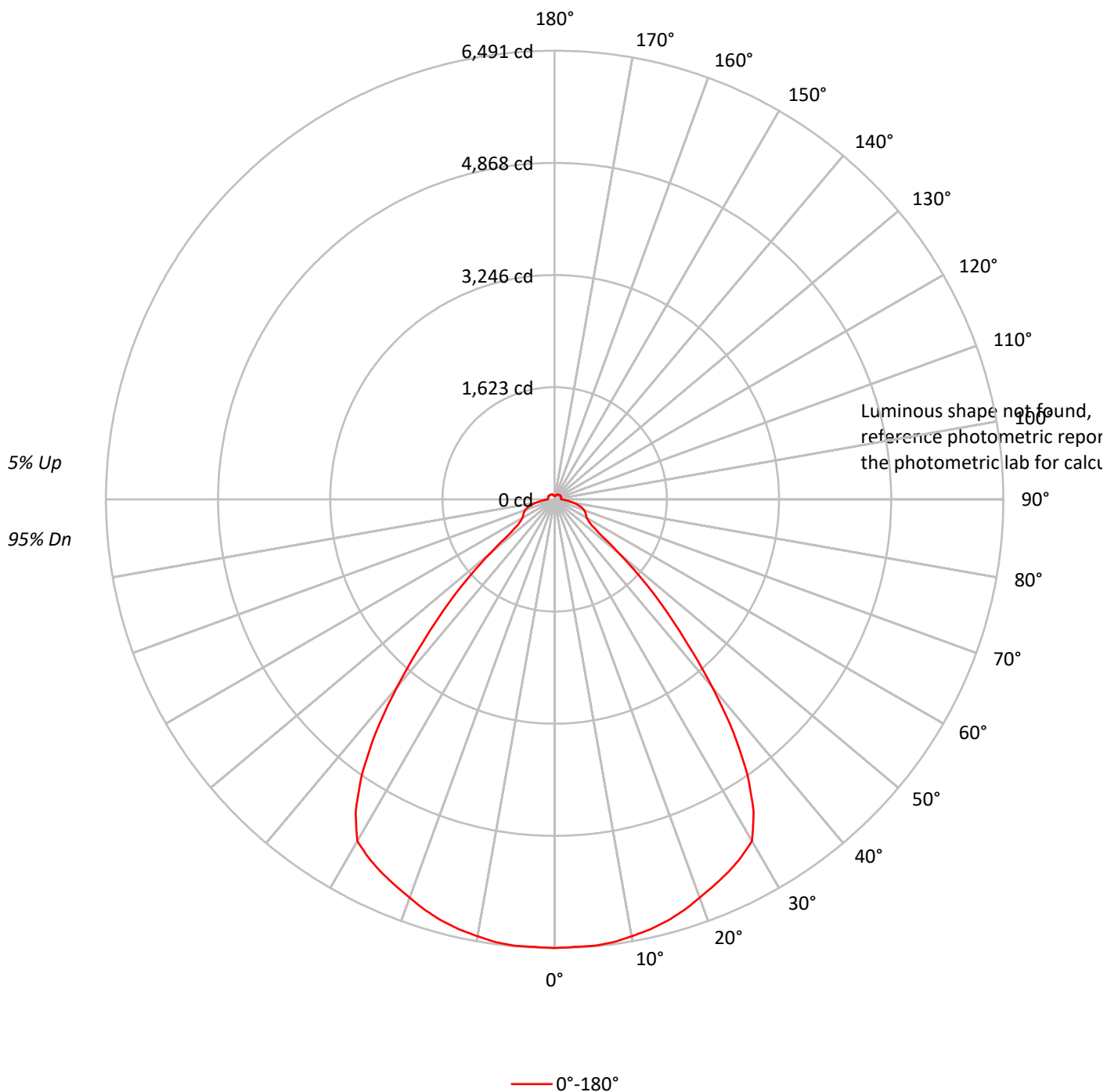
Lumens per Lamp: N/A
Luminaire Lumens: 12186.3 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 83
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	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°	616.8	5.1
10°-20°	1780.9	14.6
20°-30°	2742.2	22.5
30°-40°	2972.7	24.4
40°-50°	1767.5	14.5
50°-60°	653.7	5.4
60°-70°	492.0	4.0
70°-80°	391.1	3.2
80°-90°	192.6	1.6
90°-100°	105.0	0.9
100°-110°	105.2	0.9
110°-120°	98.7	0.8
120°-130°	86.6	0.7
130°-140°	70.6	0.6
140°-150°	53.3	0.4
150°-160°	35.2	0.3
160°-170°	17.6	0.1
170°-180°	4.7	0.0
0°-30°	5140.0	42.2
0°-40°	8112.7	66.6
0°-60°	10533.9	86.4
0°-90°	11609.5	95.3
90°-120°	308.8	2.5
90°-150°	519.3	4.3
90°-180°	577.0	4.7
0°-180°	12186.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6491	
5°	6484	617
15°	6310	1781
25°	5946	2742
35°	4862	2973
45°	2276	1768
55°	647	654
65°	497	492
75°	376	391
85°	172	162
90°	96	57
95°	96	79
105°	99	105
115°	99	99
125°	97	87
135°	91	71
145°	85	53
155°	76	35
165°	61	18
175°	47	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6490.7
2.5°	6480.2
5°	6483.5
7.5°	6463.3
10°	6418.2
12.5°	6372.2
15°	6310.1
17.5°	6230.3
20°	6133.6
22.5°	6040.1
25°	5946.5
27.5°	5838.5
30°	5709.5
32.5°	5357.2
35°	4862.2
37.5°	4249.5
40°	3549.7
42.5°	2858.0
45°	2275.9
47.5°	1730.9
50°	1229.5
52.5°	823.9
55°	647.4
57.5°	583.7
60°	536.1
62.5°	515.2
65°	496.6
67.5°	478.1
70°	453.1
72.5°	418.4
75°	375.7
77.5°	324.9
80°	271.7
82.5°	220.1
85°	172.5
87.5°	130.6
90°	95.9
92.5°	94.3
95°	95.9
97.5°	97.6
100°	98.4
102.5°	99.2
105°	99.2
107.5°	100.0
110°	100.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.0
115°	99.2
117.5°	99.2
120°	98.4
122.5°	97.6
125°	96.7
127.5°	95.1
130°	94.3
132.5°	92.7
135°	91.1
137.5°	89.5
140°	87.9
142.5°	86.3
145°	84.7
147.5°	83.0
150°	81.4
152.5°	79.0
155°	75.8
157.5°	72.6
160°	69.3
162.5°	65.3
165°	61.3
167.5°	57.2
170°	53.2
172.5°	49.2
175°	46.8
177.5°	47.6
180°	46.8

(END OF REPORT)