

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: P1504845

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504845
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 (3000K_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

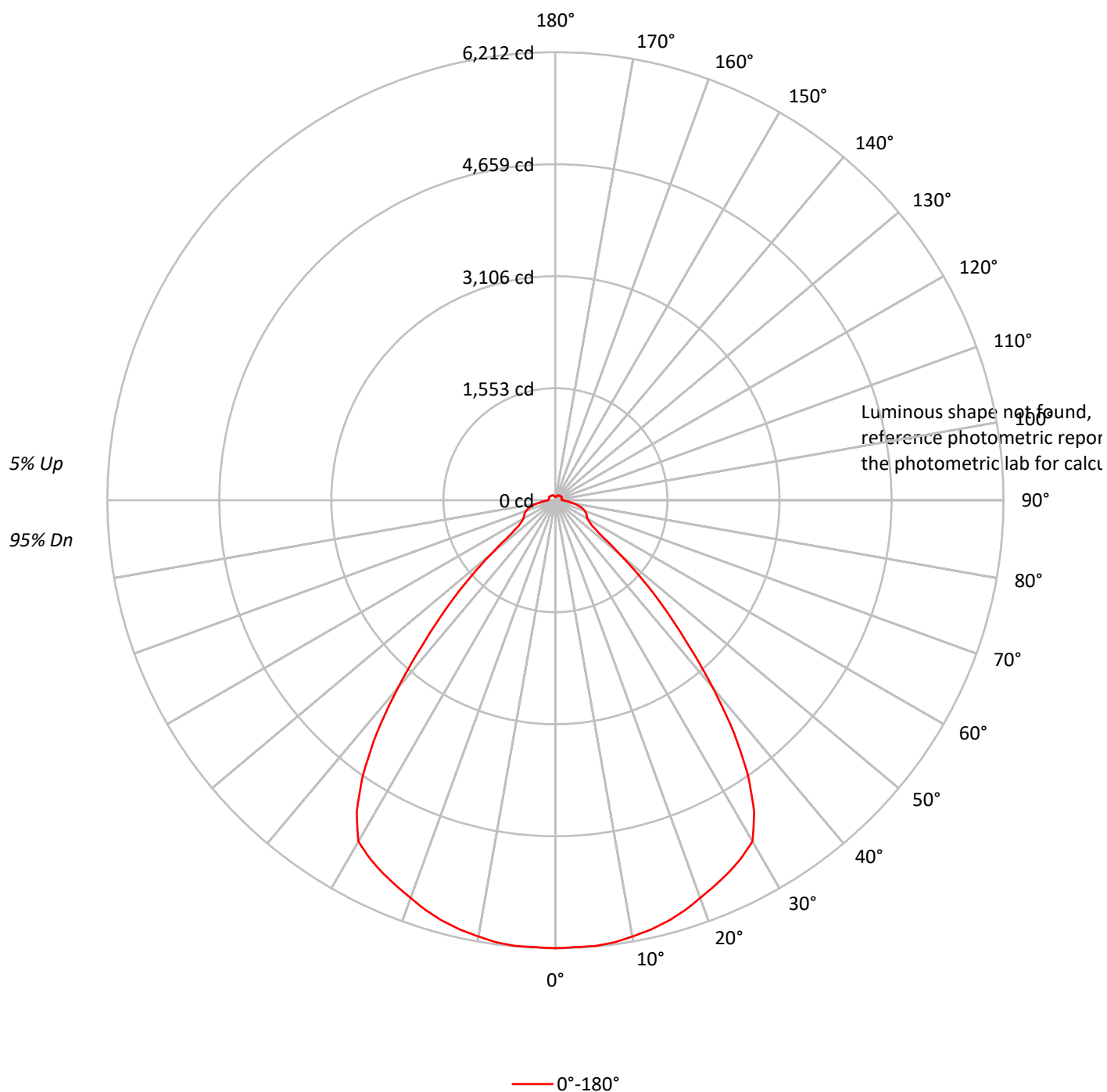
Lumens per Lamp: N/A
Luminaire Lumens: 11662.7 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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	50	30	10	50	30	10		
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°	590.3	5.1
10°-20°	1704.4	14.6
20°-30°	2624.5	22.5
30°-40°	2845.0	24.4
40°-50°	1691.6	14.5
50°-60°	625.6	5.4
60°-70°	470.8	4.0
70°-80°	374.3	3.2
80°-90°	184.3	1.6
90°-100°	100.5	0.9
100°-110°	100.6	0.9
110°-120°	94.4	0.8
120°-130°	82.8	0.7
130°-140°	67.6	0.6
140°-150°	51.0	0.4
150°-160°	33.7	0.3
160°-170°	16.8	0.1
170°-180°	4.5	0.0
0°-30°	4919.2	42.2
0°-40°	7764.2	66.6
0°-60°	10081.3	86.4
0°-90°	11110.7	95.3
90°-120°	295.5	2.5
90°-150°	496.9	4.3
90°-180°	552.0	4.7
0°-180°	11662.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6212	
5°	6205	590
15°	6039	1704
25°	5691	2624
35°	4653	2845
45°	2178	1692
55°	620	626
65°	475	471
75°	360	374
85°	165	155
90°	92	55
95°	92	76
105°	95	101
115°	95	94
125°	93	83
135°	87	68
145°	81	51
155°	72	34
165°	59	17
175°	45	4
180°	45	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6211.9
2.5°	6201.9
5°	6205.0
7.5°	6185.7
10°	6142.5
12.5°	6098.5
15°	6039.1
17.5°	5962.7
20°	5870.1
22.5°	5780.6
25°	5691.1
27.5°	5587.7
30°	5464.3
32.5°	5127.1
35°	4653.3
37.5°	4066.9
40°	3397.2
42.5°	2735.2
45°	2178.1
47.5°	1656.6
50°	1176.6
52.5°	788.5
55°	619.6
57.5°	558.6
60°	513.1
62.5°	493.0
65°	475.3
67.5°	457.5
70°	433.6
72.5°	400.4
75°	359.6
77.5°	310.9
80°	260.0
82.5°	210.6
85°	165.1
87.5°	125.0
90°	91.8
92.5°	90.3
95°	91.8
97.5°	93.4
100°	94.1
102.5°	94.9
105°	94.9
107.5°	95.7
110°	95.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	95.7
115°	94.9
117.5°	94.9
120°	94.1
122.5°	93.4
125°	92.6
127.5°	91.0
130°	90.3
132.5°	88.7
135°	87.2
137.5°	85.6
140°	84.1
142.5°	82.6
145°	81.0
147.5°	79.5
150°	77.9
152.5°	75.6
155°	72.5
157.5°	69.4
160°	66.4
162.5°	62.5
165°	58.6
167.5°	54.8
170°	50.9
172.5°	47.1
175°	44.8
177.5°	45.5
180°	44.8

(END OF REPORT)