

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: P1504878

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504878
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 (5000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

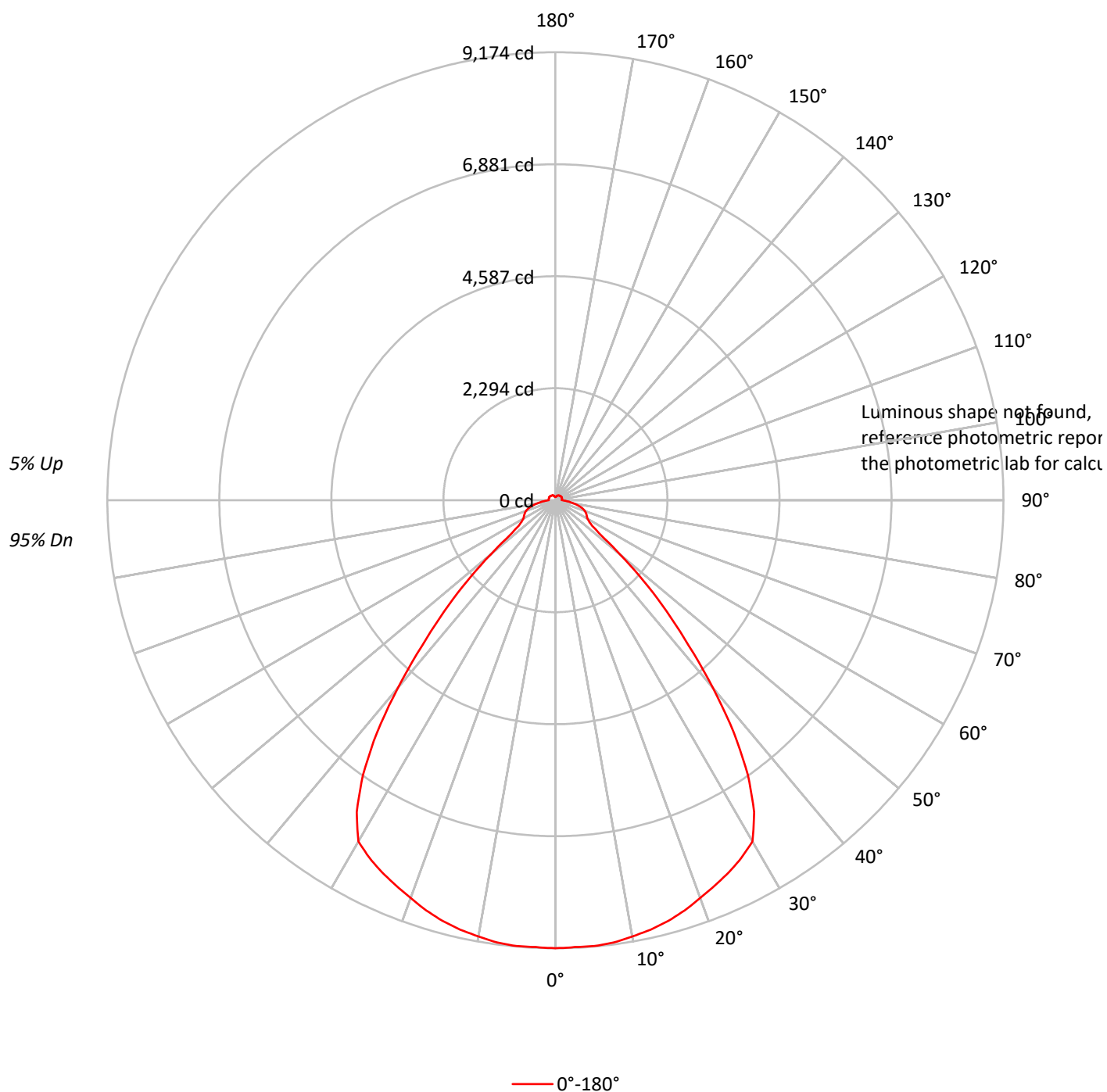
Lumens per Lamp: N/A
Luminaire Lumens: 17223.7 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.1
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	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°	871.7	5.1
10°-20°	2517.1	14.6
20°-30°	3875.8	22.5
30°-40°	4201.6	24.4
40°-50°	2498.1	14.5
50°-60°	923.9	5.4
60°-70°	695.3	4.0
70°-80°	552.8	3.2
80°-90°	272.2	1.6
90°-100°	148.4	0.9
100°-110°	148.6	0.9
110°-120°	139.4	0.8
120°-130°	122.3	0.7
130°-140°	99.8	0.6
140°-150°	75.3	0.4
150°-160°	49.8	0.3
160°-170°	24.9	0.1
170°-180°	6.6	0.0
0°-30°	7264.7	42.2
0°-40°	11466.3	66.6
0°-60°	14888.3	86.4
0°-90°	16408.6	95.3
90°-120°	436.4	2.5
90°-150°	733.9	4.3
90°-180°	815.0	4.7
0°-180°	17223.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9174	
5°	9164	872
15°	8919	2517
25°	8405	3876
35°	6872	4202
45°	3217	2498
55°	915	924
65°	702	695
75°	531	553
85°	244	228
90°	136	81
95°	136	112
105°	140	149
115°	140	139
125°	137	122
135°	129	100
145°	120	75
155°	107	50
165°	87	25
175°	66	7
180°	66	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9173.8
2.5°	9159.0
5°	9163.6
7.5°	9135.1
10°	9071.3
12.5°	9006.3
15°	8918.6
17.5°	8805.8
20°	8669.0
22.5°	8536.8
25°	8404.7
27.5°	8252.0
30°	8069.7
32.5°	7571.7
35°	6872.1
37.5°	6006.1
40°	5017.1
42.5°	4039.4
45°	3216.7
47.5°	2446.4
50°	1737.7
52.5°	1164.5
55°	915.0
57.5°	825.0
60°	757.7
62.5°	728.1
65°	701.9
67.5°	675.7
70°	640.4
72.5°	591.4
75°	531.0
77.5°	459.2
80°	384.0
82.5°	311.1
85°	243.8
87.5°	184.6
90°	135.6
92.5°	133.3
95°	135.6
97.5°	137.9
100°	139.0
102.5°	140.2
105°	140.2
107.5°	141.3
110°	141.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	141.3
115°	140.2
117.5°	140.2
120°	139.0
122.5°	137.9
125°	136.7
127.5°	134.5
130°	133.3
132.5°	131.0
135°	128.8
137.5°	126.5
140°	124.2
142.5°	121.9
145°	119.6
147.5°	117.4
150°	115.1
152.5°	111.7
155°	107.1
157.5°	102.6
160°	98.0
162.5°	92.3
165°	86.6
167.5°	80.9
170°	75.2
172.5°	69.5
175°	66.1
177.5°	67.2
180°	66.1

(END OF REPORT)