

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: P1504866

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (4000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504866
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 (4000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

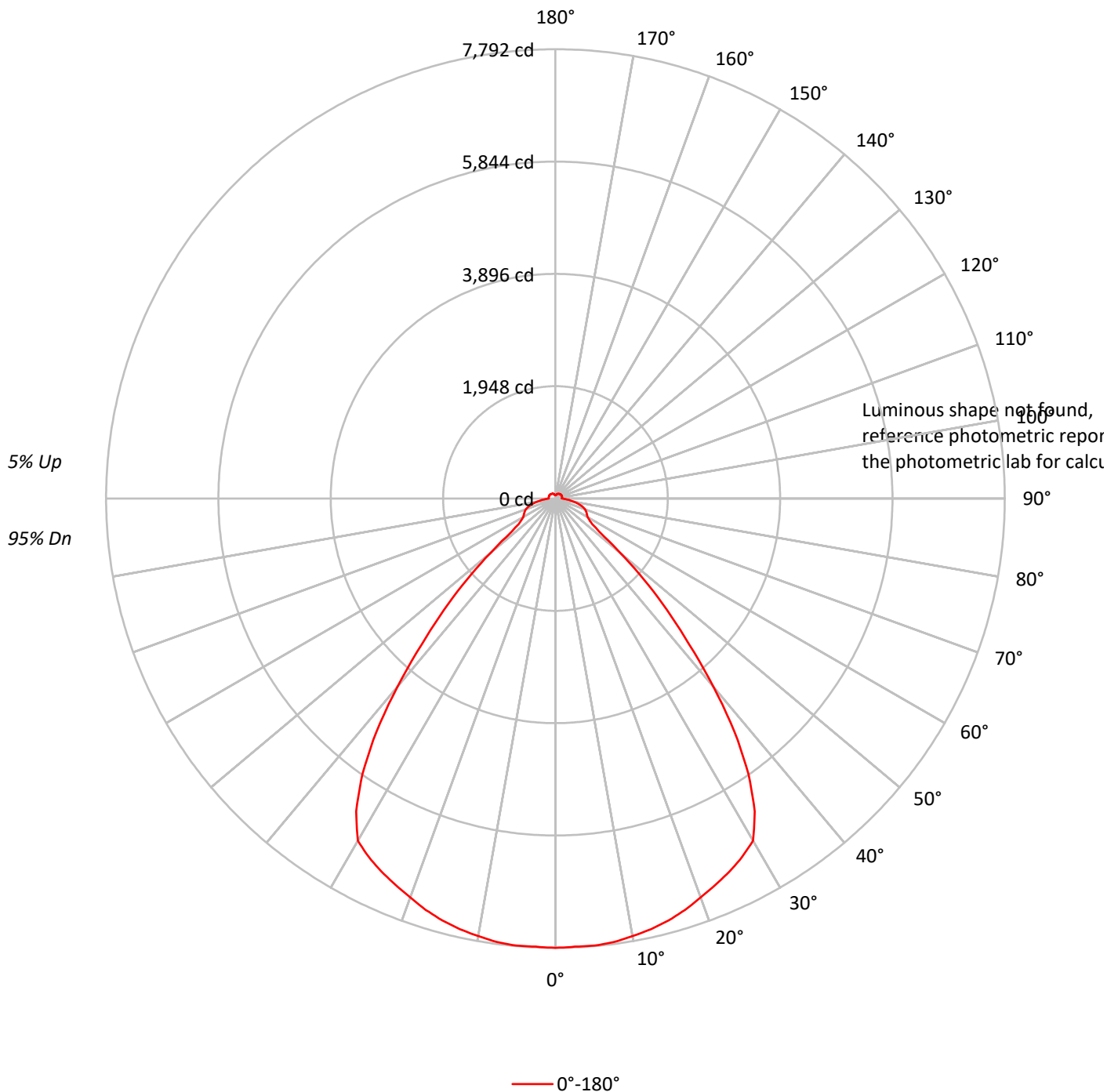
Lumens per Lamp: N/A
Luminaire Lumens: 14629.8 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 99.5
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°	740.5	5.1
10°-20°	2138.1	14.6
20°-30°	3292.1	22.5
30°-40°	3568.9	24.4
40°-50°	2121.9	14.5
50°-60°	784.7	5.4
60°-70°	590.6	4.0
70°-80°	469.5	3.2
80°-90°	231.2	1.6
90°-100°	126.1	0.9
100°-110°	126.2	0.9
110°-120°	118.4	0.8
120°-130°	103.9	0.7
130°-140°	84.8	0.6
140°-150°	63.9	0.4
150°-160°	42.3	0.3
160°-170°	21.1	0.1
170°-180°	5.6	0.0
0°-30°	6170.7	42.2
0°-40°	9739.5	66.6
0°-60°	12646.2	86.4
0°-90°	13937.5	95.3
90°-120°	370.6	2.5
90°-150°	623.2	4.3
90°-180°	692.0	4.7
0°-180°	14629.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7792	
5°	7784	740
15°	7576	2138
25°	7139	3292
35°	5837	3569
45°	2732	2122
55°	777	785
65°	596	591
75°	451	470
85°	207	194
90°	115	69
95°	115	95
105°	119	126
115°	119	118
125°	116	104
135°	109	85
145°	102	64
155°	91	42
165°	74	21
175°	56	6
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7792.3
2.5°	7779.7
5°	7783.6
7.5°	7759.4
10°	7705.2
12.5°	7650.0
15°	7575.5
17.5°	7479.7
20°	7363.5
22.5°	7251.3
25°	7139.0
27.5°	7009.3
30°	6854.4
32.5°	6431.5
35°	5837.2
37.5°	5101.6
40°	4261.5
42.5°	3431.1
45°	2732.3
47.5°	2078.0
50°	1476.0
52.5°	989.2
55°	777.2
57.5°	700.7
60°	643.6
62.5°	618.5
65°	596.2
67.5°	573.9
70°	543.9
72.5°	502.3
75°	451.0
77.5°	390.1
80°	326.2
82.5°	264.2
85°	207.1
87.5°	156.8
90°	115.2
92.5°	113.2
95°	115.2
97.5°	117.1
100°	118.1
102.5°	119.0
105°	119.0
107.5°	120.0
110°	120.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	120.0
115°	119.0
117.5°	119.0
120°	118.1
122.5°	117.1
125°	116.1
127.5°	114.2
130°	113.2
132.5°	111.3
135°	109.4
137.5°	107.4
140°	105.5
142.5°	103.6
145°	101.6
147.5°	99.7
150°	97.8
152.5°	94.9
155°	91.0
157.5°	87.1
160°	83.2
162.5°	78.4
165°	73.6
167.5°	68.7
170°	63.9
172.5°	59.0
175°	56.1
177.5°	57.1
180°	56.1

(END OF REPORT)