

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: P1504872

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504872
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_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

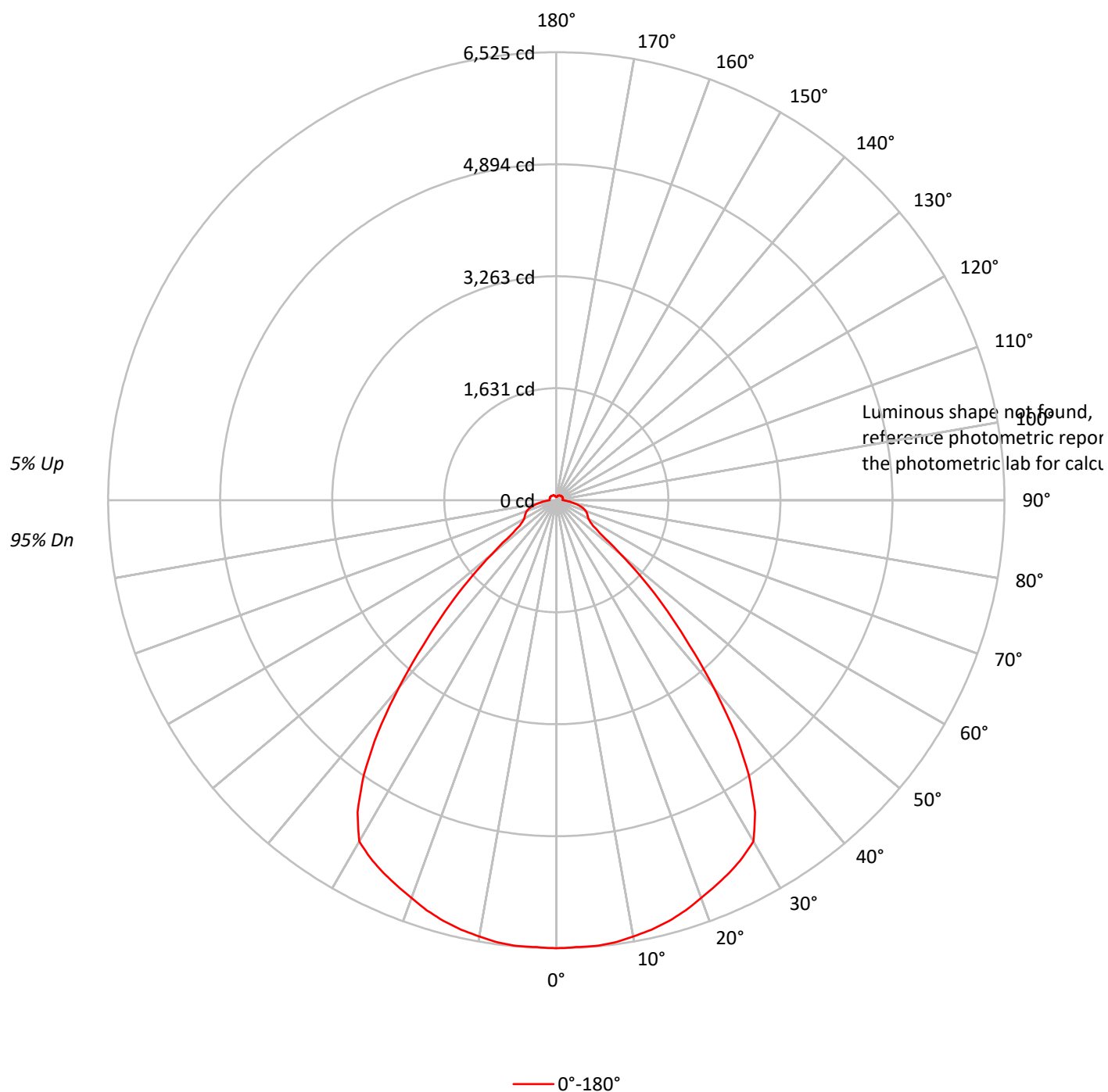
Lumens per Lamp: N/A
Luminaire Lumens: 12250.7 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.1
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°	620.0	5.1
10°-20°	1790.3	14.6
20°-30°	2756.8	22.5
30°-40°	2988.5	24.4
40°-50°	1776.9	14.5
50°-60°	657.1	5.4
60°-70°	494.6	4.0
70°-80°	393.2	3.2
80°-90°	193.6	1.6
90°-100°	105.5	0.9
100°-110°	105.7	0.9
110°-120°	99.2	0.8
120°-130°	87.0	0.7
130°-140°	71.0	0.6
140°-150°	53.5	0.4
150°-160°	35.4	0.3
160°-170°	17.7	0.1
170°-180°	4.7	0.0
0°-30°	5167.1	42.2
0°-40°	8155.6	66.6
0°-60°	10589.6	86.4
0°-90°	11670.9	95.3
90°-120°	310.4	2.5
90°-150°	522.0	4.3
90°-180°	580.0	4.7
0°-180°	12250.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6525	
5°	6518	620
15°	6344	1790
25°	5978	2757
35°	4888	2988
45°	2288	1777
55°	651	657
65°	499	495
75°	378	393
85°	173	162
90°	96	57
95°	96	79
105°	100	106
115°	100	99
125°	97	87
135°	92	71
145°	85	54
155°	76	35
165°	62	18
175°	47	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6525.1
2.5°	6514.5
5°	6517.8
7.5°	6497.5
10°	6452.1
12.5°	6405.9
15°	6343.5
17.5°	6263.3
20°	6166.0
22.5°	6072.0
25°	5978.0
27.5°	5869.4
30°	5739.7
32.5°	5385.5
35°	4887.9
37.5°	4272.0
40°	3568.5
42.5°	2873.1
45°	2287.9
47.5°	1740.1
50°	1236.0
52.5°	828.3
55°	650.8
57.5°	586.8
60°	539.0
62.5°	517.9
65°	499.2
67.5°	480.6
70°	455.5
72.5°	420.6
75°	377.7
77.5°	326.6
80°	273.1
82.5°	221.3
85°	173.4
87.5°	131.3
90°	96.4
92.5°	94.8
95°	96.4
97.5°	98.1
100°	98.9
102.5°	99.7
105°	99.7
107.5°	100.5
110°	100.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.5
115°	99.7
117.5°	99.7
120°	98.9
122.5°	98.1
125°	97.3
127.5°	95.6
130°	94.8
132.5°	93.2
135°	91.6
137.5°	90.0
140°	88.3
142.5°	86.7
145°	85.1
147.5°	83.5
150°	81.9
152.5°	79.4
155°	76.2
157.5°	72.9
160°	69.7
162.5°	65.6
165°	61.6
167.5°	57.5
170°	53.5
172.5°	49.4
175°	47.0
177.5°	47.8
180°	47.0

(END OF REPORT)