

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: P1504521

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504521
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-51)
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-A-06-TRWH-PS (6500K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

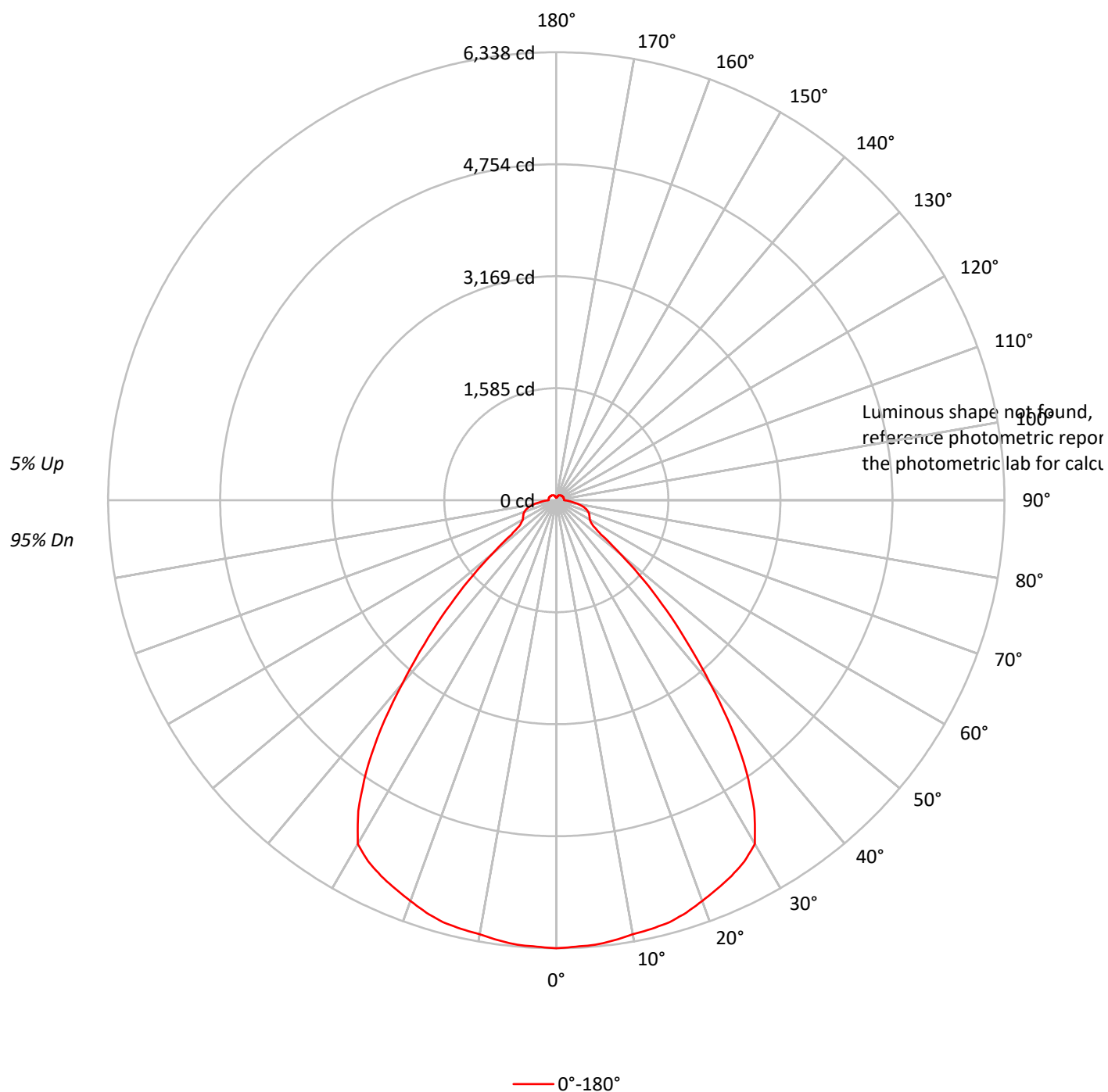
Lumens per Lamp: N/A
Luminaire Lumens: 12051.6 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

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	97	97	97	95		
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83		
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	78	76	74		
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	65		
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	59		
5	82	71	64	58	80	70	63	58	68	61	57	65	60	56	63	58	55	53		
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	58	53	50	48		
7	72	60	53	47	70	59	52	47	57	51	47	56	50	46	54	49	45	43		
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	50	45	41	40		
9	63	52	44	40	62	51	44	39	49	43	39	48	43	39	47	42	38	36		
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	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°	600.0	5.0
10°-20°	1743.6	14.5
20°-30°	2702.3	22.4
30°-40°	2874.6	23.9
40°-50°	1707.0	14.2
50°-60°	643.5	5.3
60°-70°	511.6	4.2
70°-80°	434.2	3.6
80°-90°	226.6	1.9
90°-100°	117.8	1.0
100°-110°	115.3	1.0
110°-120°	105.5	0.9
120°-130°	90.3	0.7
130°-140°	72.5	0.6
140°-150°	53.8	0.4
150°-160°	33.7	0.3
160°-170°	15.4	0.1
170°-180°	3.7	0.0
0°-30°	5046.0	41.9
0°-40°	7920.6	65.7
0°-60°	10271.2	85.2
0°-90°	11443.6	95.0
90°-120°	338.7	2.8
90°-150°	555.3	4.6
90°-180°	608.0	5.0
0°-180°	12051.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6338	
5°	6314	600
15°	6182	1744
25°	5864	2702
35°	4688	2875
45°	2202	1707
55°	641	644
65°	516	512
75°	418	434
85°	205	191
90°	108	65
95°	108	88
105°	109	115
115°	106	106
125°	101	90
135°	93	72
145°	85	54
155°	72	34
165°	53	15
175°	35	4
180°	34	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6338.2
2.5°	6321.3
5°	6314.1
7.5°	6279.5
10°	6236.2
12.5°	6211.3
15°	6181.5
17.5°	6117.3
20°	6032.9
22.5°	5950.1
25°	5864.2
27.5°	5762.1
30°	5614.3
32.5°	5212.6
35°	4688.0
37.5°	4079.8
40°	3382.4
42.5°	2763.8
45°	2202.2
47.5°	1683.2
50°	1190.7
52.5°	797.8
55°	641.1
57.5°	583.3
60°	546.3
62.5°	531.1
65°	515.8
67.5°	502.1
70°	482.1
72.5°	454.7
75°	417.8
77.5°	372.0
80°	317.4
82.5°	260.3
85°	204.9
87.5°	153.5
90°	108.5
92.5°	106.9
95°	107.7
97.5°	108.5
100°	109.3
102.5°	109.3
105°	109.3
107.5°	108.5
110°	108.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	107.7
115°	106.1
117.5°	105.2
120°	103.6
122.5°	102.0
125°	101.2
127.5°	98.8
130°	97.2
132.5°	95.6
135°	93.2
137.5°	91.6
140°	90.0
142.5°	87.6
145°	85.2
147.5°	83.6
150°	81.1
152.5°	77.1
155°	72.3
157.5°	67.5
160°	63.5
162.5°	58.6
165°	53.0
167.5°	48.2
170°	43.4
172.5°	39.4
175°	35.4
177.5°	33.7
180°	33.7

(END OF REPORT)