

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: P1504917

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504917
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-60)
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-WHGL-PS (5000K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

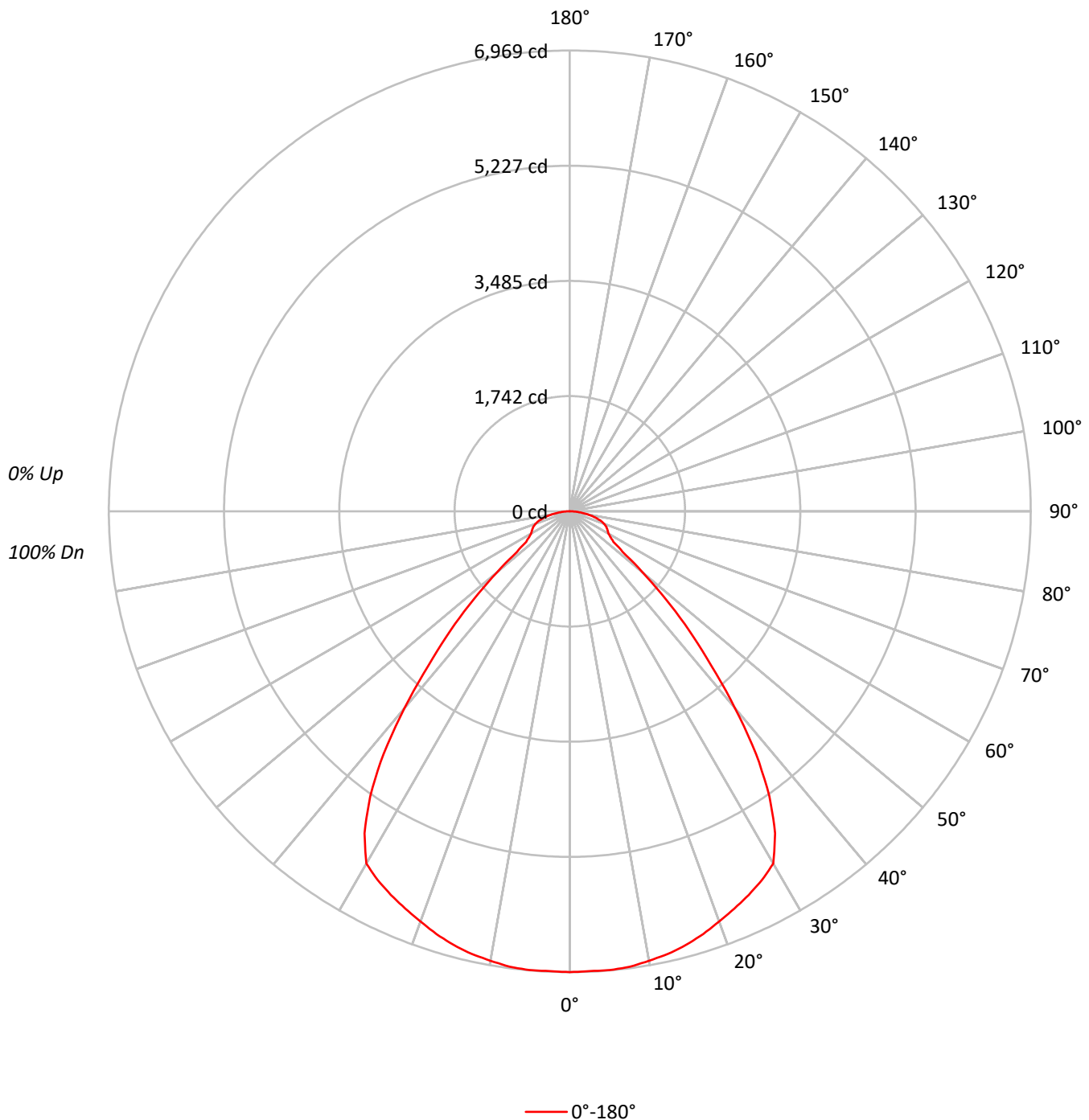
Lumens per Lamp: N/A
Luminaire Lumens: 12735.6 lumens
Efficiency: N/A
Efficacy: 157.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62		
5	83	73	65	59	82	72	64	59	70	63	59	68	62	58	66	61	57	56		
6	78	67	59	54	76	66	59	53	64	58	53	62	57	52	61	56	52	50		
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	57	51	47	46		
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42		
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56518
5°	56699
10°	56829
15°	57003
20°	56948
25°	57263
30°	57589
35°	52090
40°	41141
45°	29245
50°	18084
55°	11391
60°	10967
65°	11914
70°	13046
75°	13611
80°	13048
85°	12049

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29245 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.8	5.2
10°-20°	1916.1	15.0
20°-30°	2952.3	23.2
30°-40°	3220.2	25.3
40°-50°	1975.2	15.5
50°-60°	800.8	6.3
60°-70°	613.0	4.8
70°-80°	450.1	3.5
80°-90°	145.1	1.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5531.2	43.4
0°-40°	8751.3	68.7
0°-60°	11527.4	90.5
0°-90°	12735.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12735.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6969	
5°	6965	663
15°	6790	1916
25°	6400	2952
35°	5262	3220
45°	2550	1975
55°	806	801
65°	621	613
75°	434	450
85°	130	145
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6969.4
2.5°	6958.3
5°	6965.1
7.5°	6947.2
10°	6901.2
12.5°	6856.1
15°	6789.7
17.5°	6703.6
20°	6598.9
22.5°	6502.6
25°	6399.6
27.5°	6288.0
30°	6150.0
32.5°	5776.2
35°	5261.7
37.5°	4625.5
40°	3886.3
42.5°	3158.1
45°	2550.0
47.5°	1966.6
50°	1433.4
52.5°	1005.0
55°	805.7
57.5°	730.7
60°	676.2
62.5°	648.1
65°	620.9
67.5°	591.1
70°	550.2
72.5°	497.4
75°	434.4
77.5°	359.4
80°	279.4
82.5°	201.9
85°	129.5
87.5°	62.2
90°	0.0

(END OF REPORT)