

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: P1504916

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504916
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-58)
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_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

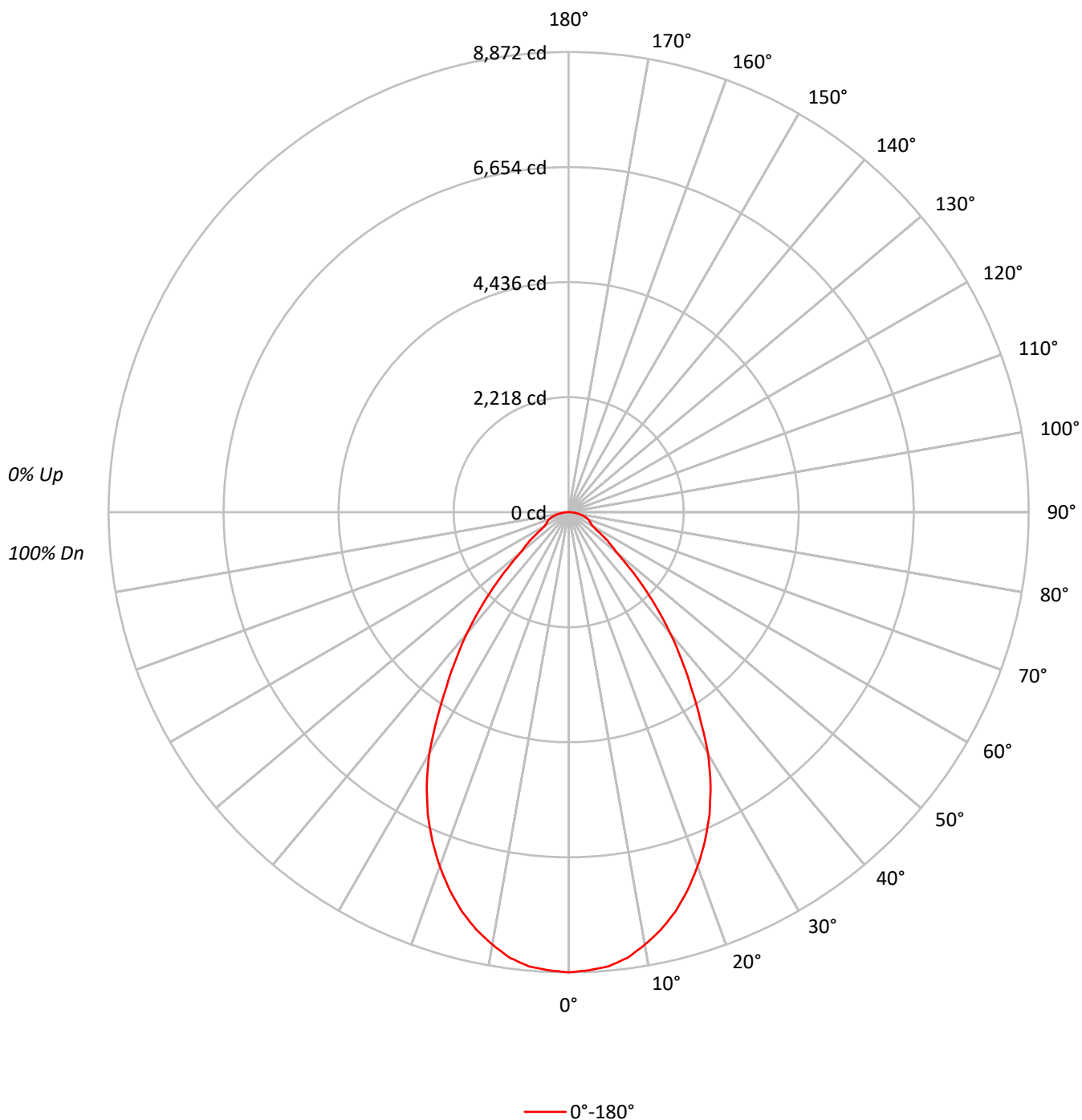
Lumens per Lamp: N/A
Luminaire Lumens: 11793.2 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46		
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42		
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71947
5°	71550
10°	69726
15°	66856
20°	62710
25°	57491
30°	50364
35°	40691
40°	32305
45°	23491
50°	15204
55°	11536
60°	8676
65°	8810
70°	9491
75°	9713
80°	9625
85°	9435

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23491 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.7	7.0
10°-20°	2229.4	18.9
20°-30°	2929.6	24.8
30°-40°	2581.3	21.9
40°-50°	1587.2	13.5
50°-60°	743.4	6.3
60°-70°	458.3	3.9
70°-80°	324.5	2.8
80°-90°	110.8	0.9
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°	5987.7	50.8
0°-40°	8569.0	72.7
0°-60°	10899.6	92.4
0°-90°	11793.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11793.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8872	
5°	8789	829
15°	7963	2229
25°	6425	2930
35°	4110	2581
45°	2048	1587
55°	816	743
65°	459	458
75°	310	325
85°	101	111
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8872.0
2.5°	8838.8
5°	8789.4
7.5°	8666.8
10°	8467.5
12.5°	8239.2
15°	7963.3
17.5°	7634.5
20°	7266.6
22.5°	6865.5
25°	6425.1
27.5°	5924.4
30°	5378.4
32.5°	4720.1
35°	4110.3
37.5°	3571.1
40°	3051.6
42.5°	2534.6
45°	2048.3
47.5°	1588.4
50°	1205.1
52.5°	1017.8
55°	815.9
57.5°	637.9
60°	534.9
62.5°	488.9
65°	459.1
67.5°	434.4
70°	400.3
72.5°	358.6
75°	310.0
77.5°	258.1
80°	206.1
82.5°	153.3
85°	101.4
87.5°	49.4
90°	0.0

(END OF REPORT)