

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: P1504910

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504910
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 (4000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

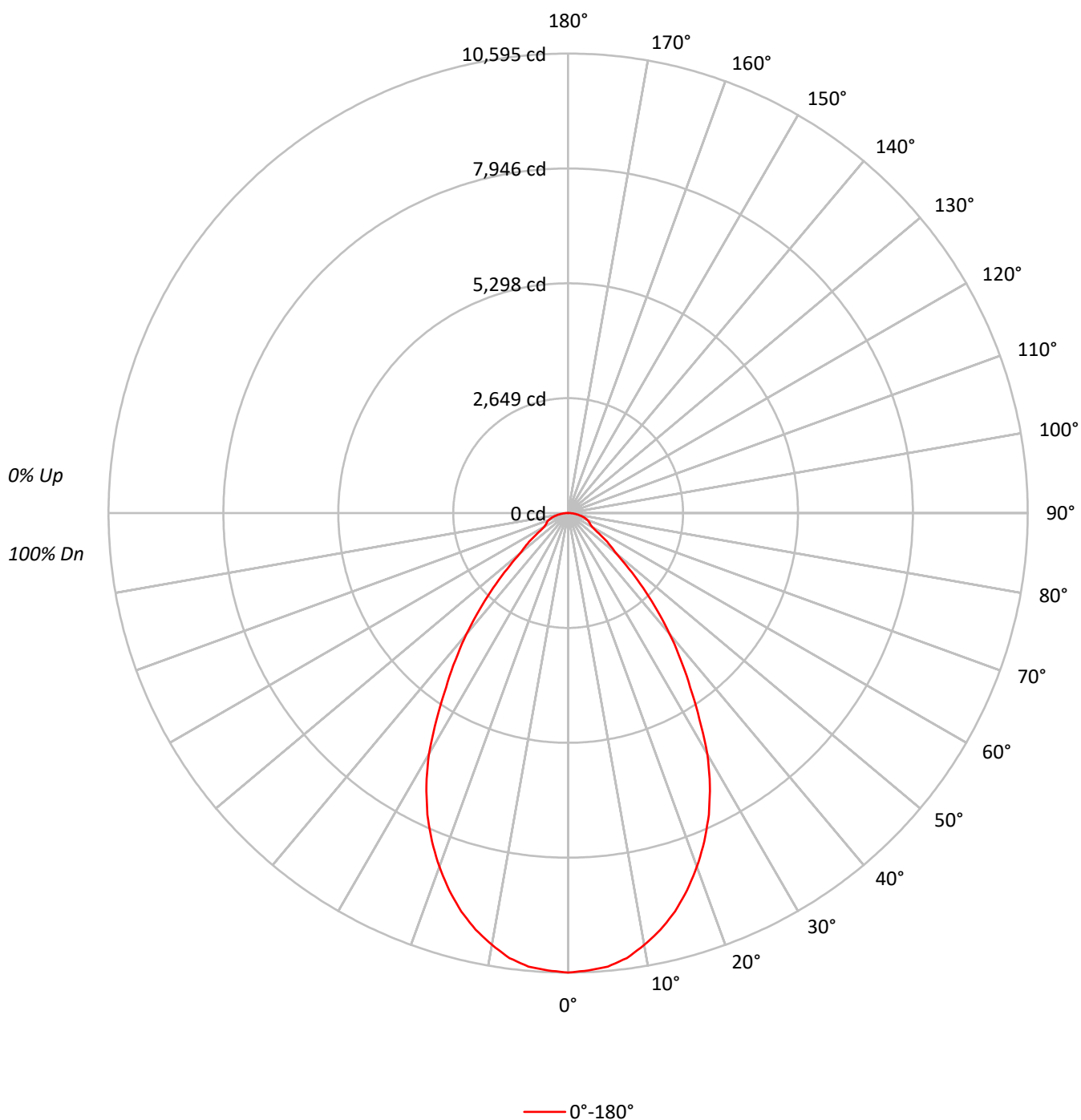
Lumens per Lamp: N/A
Luminaire Lumens: 14083.5 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	85921
5°	85446
10°	83268
15°	79840
20°	74890
25°	68657
30°	60145
35°	48593
40°	38579
45°	28053
50°	18157
55°	13777
60°	10359
65°	10519
70°	11334
75°	11599
80°	11493
85°	11259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28053 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	989.7	7.0
10°-20°	2662.4	18.9
20°-30°	3498.5	24.8
30°-40°	3082.6	21.9
40°-50°	1895.5	13.5
50°-60°	887.8	6.3
60°-70°	547.2	3.9
70°-80°	387.5	2.8
80°-90°	132.3	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°	7150.6	50.8
0°-40°	10233.1	72.7
0°-60°	13016.4	92.4
0°-90°	14083.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14083.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10595	
5°	10496	990
15°	9510	2662
25°	7673	3499
35°	4908	3083
45°	2446	1895
55°	974	888
65°	548	547
75°	370	388
85°	121	132
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10595.1
2.5°	10555.4
5°	10496.4
7.5°	10350.0
10°	10112.0
12.5°	9839.4
15°	9509.8
17.5°	9117.2
20°	8677.9
22.5°	8198.8
25°	7673.0
27.5°	7074.9
30°	6423.0
32.5°	5636.7
35°	4908.5
37.5°	4264.7
40°	3644.3
42.5°	3026.9
45°	2446.1
47.5°	1896.9
50°	1439.2
52.5°	1215.4
55°	974.4
57.5°	761.8
60°	638.7
62.5°	583.8
65°	548.2
67.5°	518.7
70°	478.0
72.5°	428.2
75°	370.2
77.5°	308.2
80°	246.1
82.5°	183.1
85°	121.0
87.5°	59.0
90°	0.0

(END OF REPORT)