

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: P1504896

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504896
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 (3000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

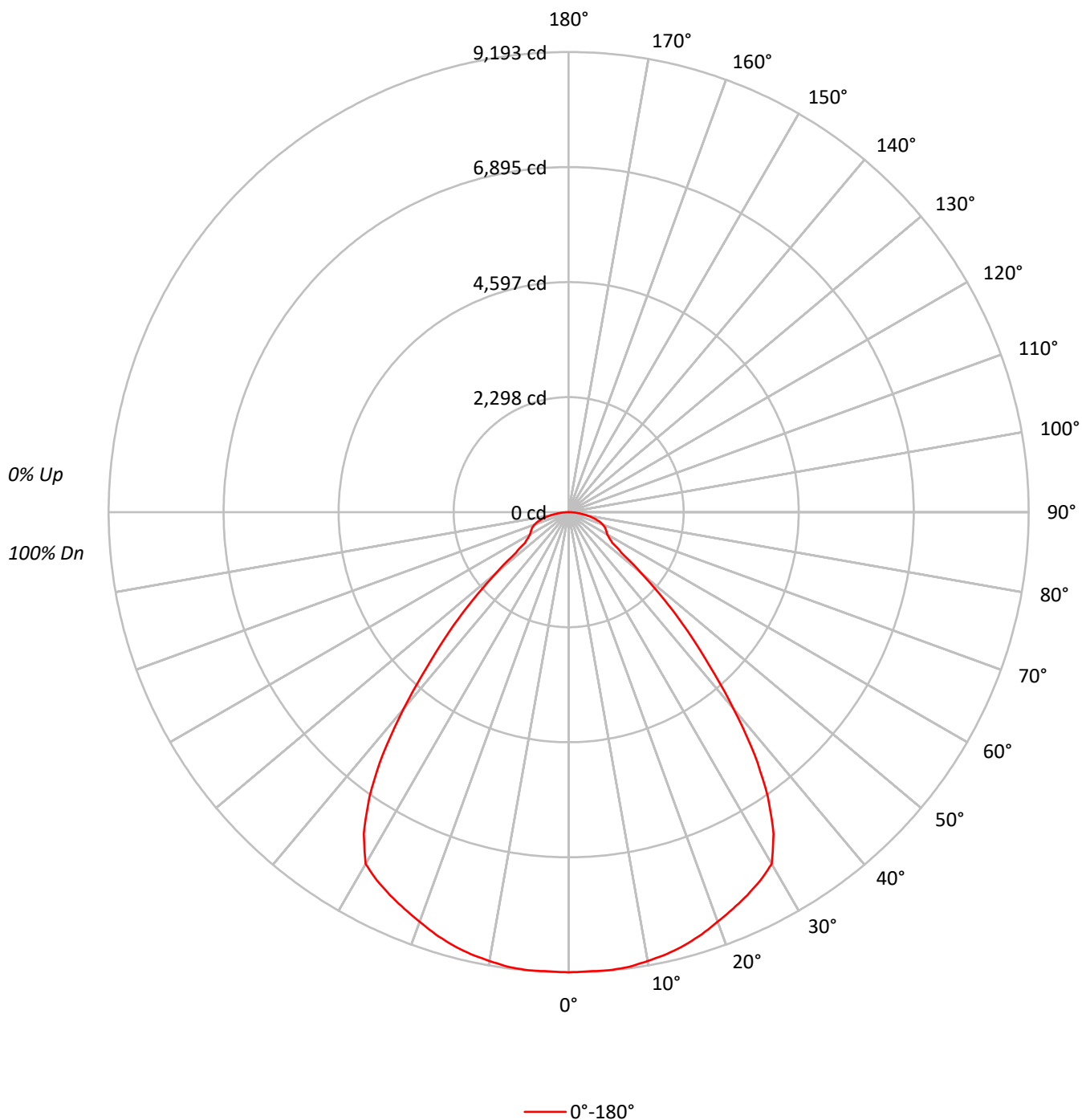
Lumens per Lamp: N/A
Luminaire Lumens: 16799.6 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 122.9
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°	74554
5°	74793
10°	74964
15°	75194
20°	75121
25°	75536
30°	75967
35°	68713
40°	54269
45°	38577
50°	23855
55°	15026
60°	14467
65°	15716
70°	17209
75°	17954
80°	17209
85°	15892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38577 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.3	5.2
10°-20°	2527.5	15.0
20°-30°	3894.4	23.2
30°-40°	4247.8	25.3
40°-50°	2605.5	15.5
50°-60°	1056.3	6.3
60°-70°	808.6	4.8
70°-80°	593.8	3.5
80°-90°	191.4	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°	7296.3	43.4
0°-40°	11544.0	68.7
0°-60°	15205.9	90.5
0°-90°	16799.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16799.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9193	
5°	9188	874
15°	8956	2528
25°	8442	3894
35°	6941	4248
45°	3364	2606
55°	1063	1056
65°	819	809
75°	573	594
85°	171	191
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9193.4
2.5°	9178.8
5°	9187.8
7.5°	9164.2
10°	9103.5
12.5°	9044.0
15°	8956.4
17.5°	8842.9
20°	8704.7
22.5°	8577.7
25°	8441.8
27.5°	8294.6
30°	8112.6
32.5°	7619.4
35°	6940.8
37.5°	6101.6
40°	5126.4
42.5°	4165.9
45°	3363.7
47.5°	2594.1
50°	1890.8
52.5°	1325.7
55°	1062.8
57.5°	963.9
60°	892.0
62.5°	855.0
65°	819.0
67.5°	779.7
70°	725.8
72.5°	656.1
75°	573.0
77.5°	474.1
80°	368.5
82.5°	266.3
85°	170.8
87.5°	82.0
90°	0.0

(END OF REPORT)