

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: P1504922

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504922
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_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

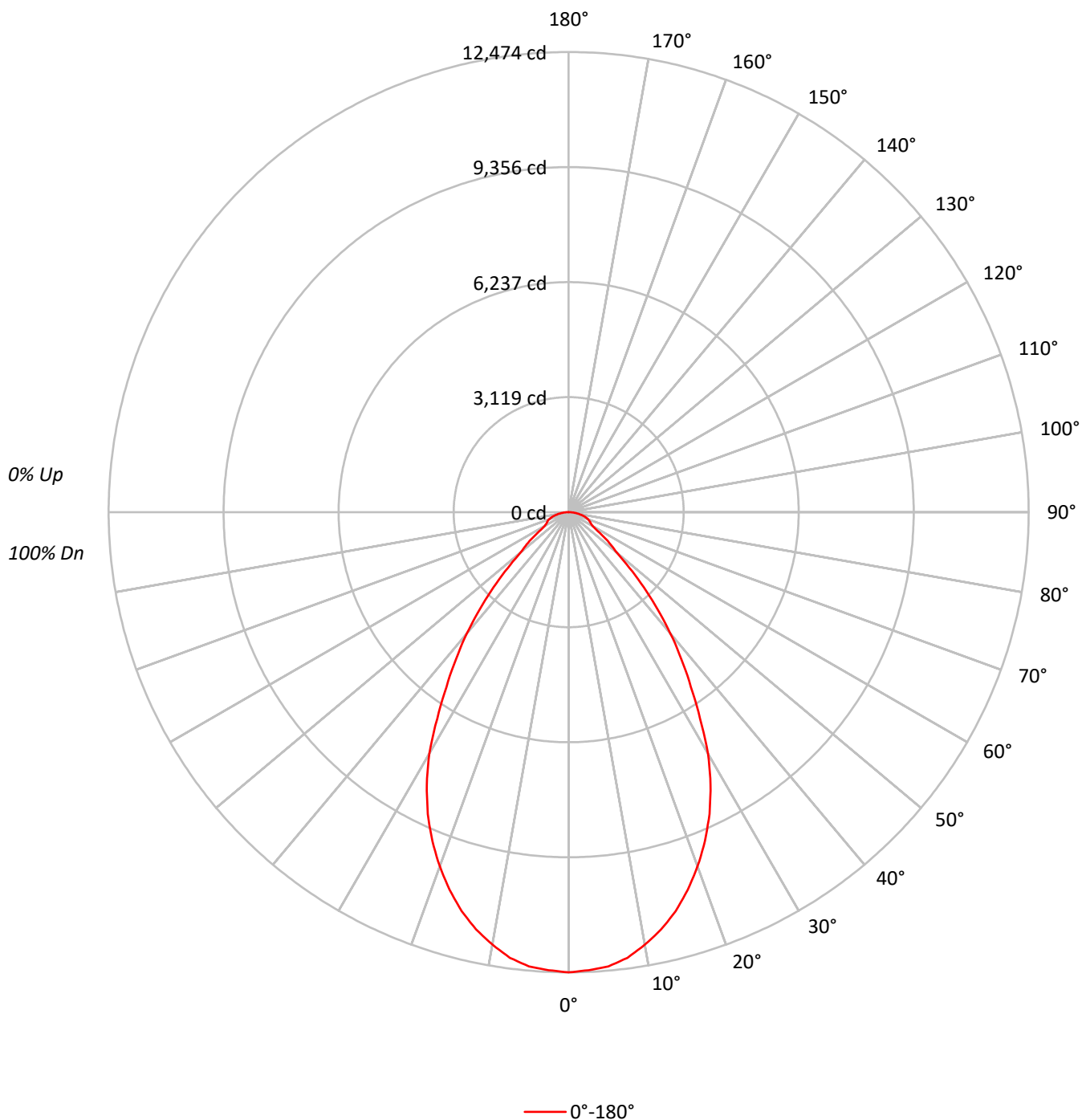
Lumens per Lamp: N/A
Luminaire Lumens: 16580.4 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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°	101154
5°	100595
10°	98030
15°	93996
20°	88167
25°	80828
30°	70808
35°	57208
40°	45419
45°	33027
50°	21376
55°	16218
60°	12197
65°	12384
70°	13344
75°	13658
80°	13534
85°	13259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33027 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1165.2	7.0
10°-20°	3134.4	18.9
20°-30°	4118.8	24.8
30°-40°	3629.1	21.9
40°-50°	2231.5	13.5
50°-60°	1045.2	6.3
60°-70°	644.3	3.9
70°-80°	456.2	2.8
80°-90°	155.8	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°	8418.3	50.8
0°-40°	12047.4	72.7
0°-60°	15324.1	92.4
0°-90°	16580.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16580.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12474	
5°	12357	###
15°	11196	3134
25°	9033	4119
35°	5779	3629
45°	2880	2231
55°	1147	1045
65°	645	644
75°	436	456
85°	142	156
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12473.5
2.5°	12426.8
5°	12357.4
7.5°	12184.9
10°	11904.7
12.5°	11583.8
15°	11195.9
17.5°	10733.7
20°	10216.4
22.5°	9652.4
25°	9033.3
27.5°	8329.2
30°	7561.7
32.5°	6636.1
35°	5778.7
37.5°	5020.8
40°	4290.4
42.5°	3563.5
45°	2879.8
47.5°	2233.2
50°	1694.3
52.5°	1430.9
55°	1147.1
57.5°	896.9
60°	752.0
62.5°	687.3
65°	645.4
67.5°	610.7
70°	562.8
72.5°	504.1
75°	435.9
77.5°	362.8
80°	289.8
82.5°	215.5
85°	142.5
87.5°	69.5
90°	0.0

(END OF REPORT)