

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: P1504571

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (6500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504571
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-46)
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-A-06-WHGL-PS (6500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

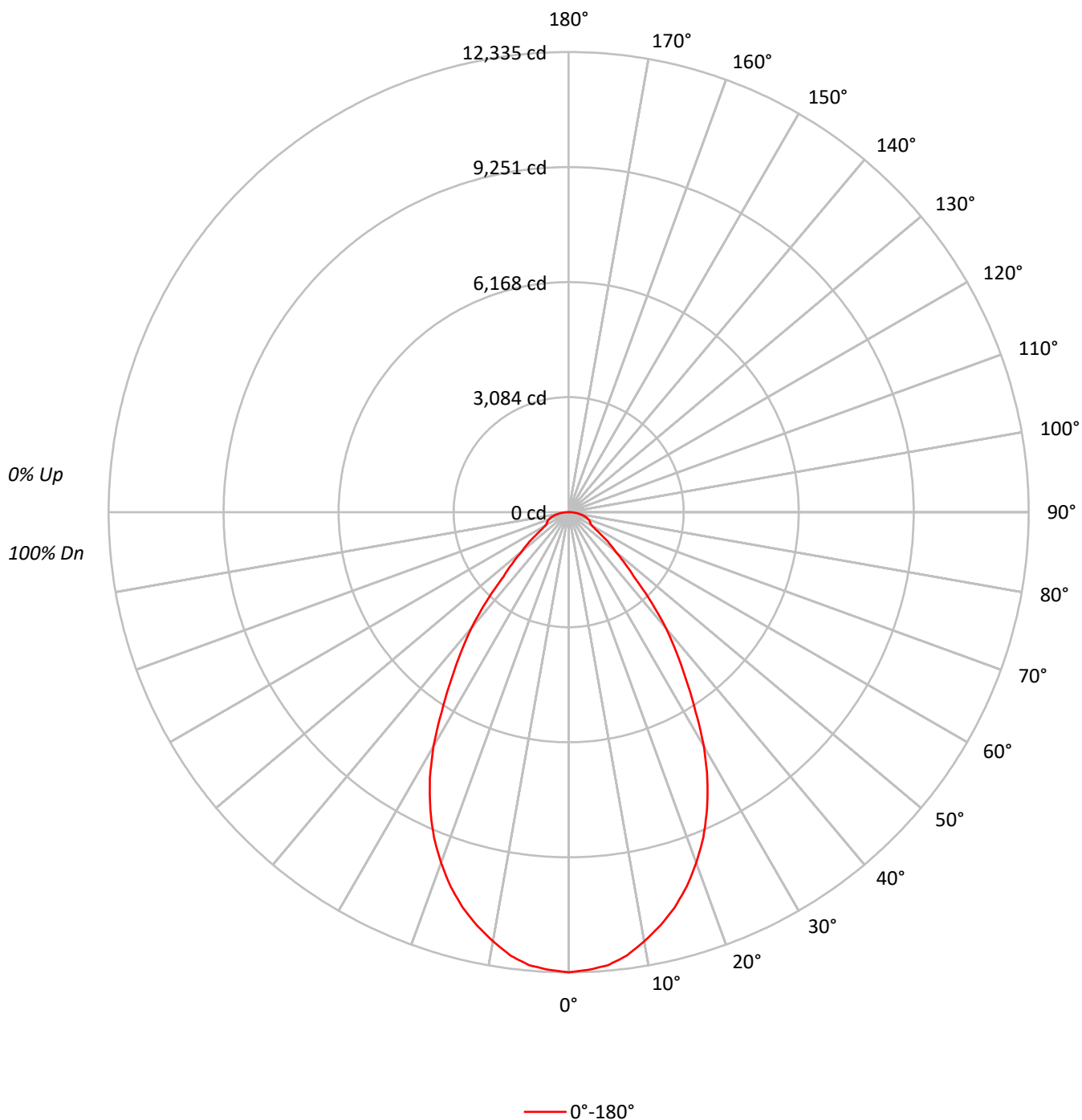
Lumens per Lamp: N/A
Luminaire Lumens: 16006.6 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 123.3
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

TEST NUMBER: P1504571

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (6500K_L18_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504571

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (6500K_L18_Narrow_120V)

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101327
5°	100485
10°	97401
15°	93299
20°	87454
25°	79596
30°	68733
35°	55079
40°	43524
45°	29477
50°	21003
55°	15608
60°	11834
65°	12313
70°	13579
75°	14409
80°	14816
85°	15259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29477 cd/sqm

TEST NUMBER: P1504571

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (6500K_L18_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1147.0	7.2
10°-20°	3071.6	19.2
20°-30°	4000.6	25.0
30°-40°	3453.1	21.6
40°-50°	2054.6	12.8
50°-60°	1000.8	6.3
60°-70°	631.7	3.9
70°-80°	473.6	3.0
80°-90°	173.8	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°	8219.1	51.3
0°-40°	11672.2	72.9
0°-60°	14727.6	92.0
0°-90°	16006.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16006.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12335	
5°	12186	###
15°	10971	3072
25°	8782	4001
35°	5492	3453
45°	2537	2055
55°	1090	1001
65°	634	632
75°	454	474
85°	162	174
90°	0	

TEST NUMBER: P1504571

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (6500K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12335.2
2.5°	12277.7
5°	12186.2
7.5°	11985.6
10°	11677.1
12.5°	11348.6
15°	10970.9
17.5°	10521.6
20°	10004.3
22.5°	9433.0
25°	8781.9
27.5°	8054.6
30°	7246.3
32.5°	6330.1
35°	5492.5
37.5°	4759.3
40°	4058.9
42.5°	3295.3
45°	2537.4
47.5°	2061.1
50°	1643.5
52.5°	1379.6
55°	1089.8
57.5°	848.2
60°	720.3
62.5°	667.5
65°	633.5
67.5°	605.3
70°	565.4
72.5°	515.0
75°	454.0
77.5°	386.0
80°	313.2
82.5°	239.3
85°	161.9
87.5°	80.9
90°	0.0

(END OF REPORT)