

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: P1504551

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504551
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-48)
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 (4000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

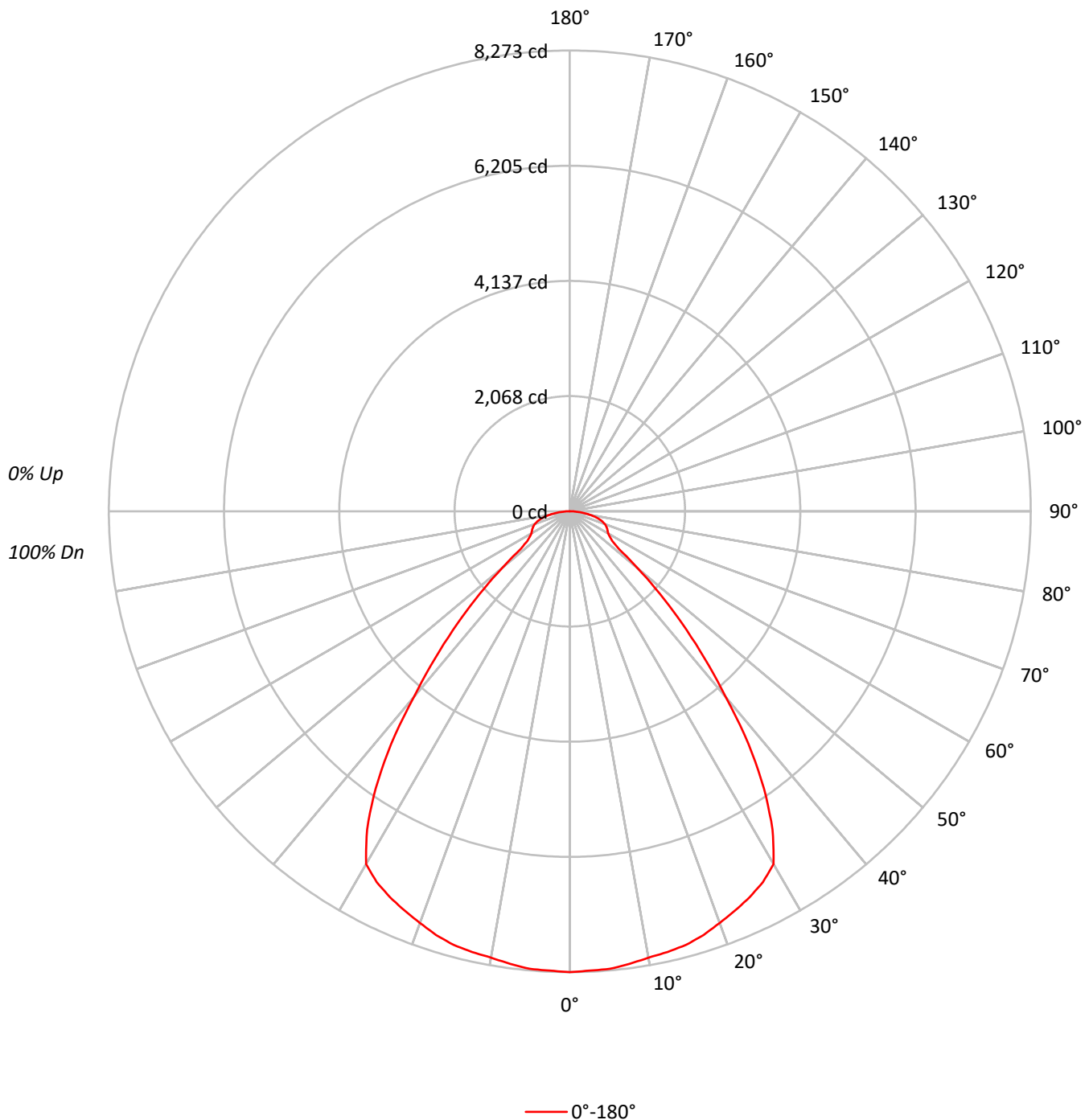
Lumens per Lamp: N/A
Luminaire Lumens: 14927.5 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1504551

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L16_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504551

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L16_Wide_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	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	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	63	57	52	61	56	52	50		
7	73	61	54	49	72	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	65	53	45	41	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67959
5°	68000
10°	67861
15°	68531
20°	68746
25°	69259
30°	69374
35°	60941
40°	46767
45°	33107
50°	20238
55°	13386
60°	13051
65°	14372
70°	16073
75°	17462
80°	17801
85°	16965

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33107 cd/sqm

TEST NUMBER: P1504551

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L16_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	783.1	5.2
10°-20°	2273.6	15.2
20°-30°	3521.0	23.6
30°-40°	3725.9	25.0
40°-50°	2213.3	14.8
50°-60°	910.3	6.1
60°-70°	730.8	4.9
70°-80°	569.9	3.8
80°-90°	199.5	1.3
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°	6577.7	44.1
0°-40°	10303.6	69.0
0°-60°	13427.2	89.9
0°-90°	14927.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14927.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8273	
5°	8247	783
15°	8058	2274
25°	7641	3521
35°	6077	3726
45°	2850	2213
55°	935	910
65°	739	731
75°	550	570
85°	180	200
90°	0	

TEST NUMBER: P1504551

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L16_Wide_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	8273.1
2.5°	8251.7
5°	8246.6
7.5°	8193.7
10°	8135.7
12.5°	8103.2
15°	8058.5
17.5°	7975.0
20°	7864.2
22.5°	7756.4
25°	7641.4
27.5°	7503.1
30°	7313.9
32.5°	6772.8
35°	6077.1
37.5°	5268.6
40°	4361.3
42.5°	3570.0
45°	2849.9
47.5°	2190.8
50°	1583.6
52.5°	1109.7
55°	934.7
57.5°	851.3
60°	794.4
62.5°	766.9
65°	739.4
67.5°	709.9
70°	669.2
72.5°	615.3
75°	550.2
77.5°	470.9
80°	376.3
82.5°	277.7
85°	180.0
87.5°	87.5
90°	0.0

(END OF REPORT)