

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: P1504718

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504718
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-34)
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-04-WHGL-PS (3500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

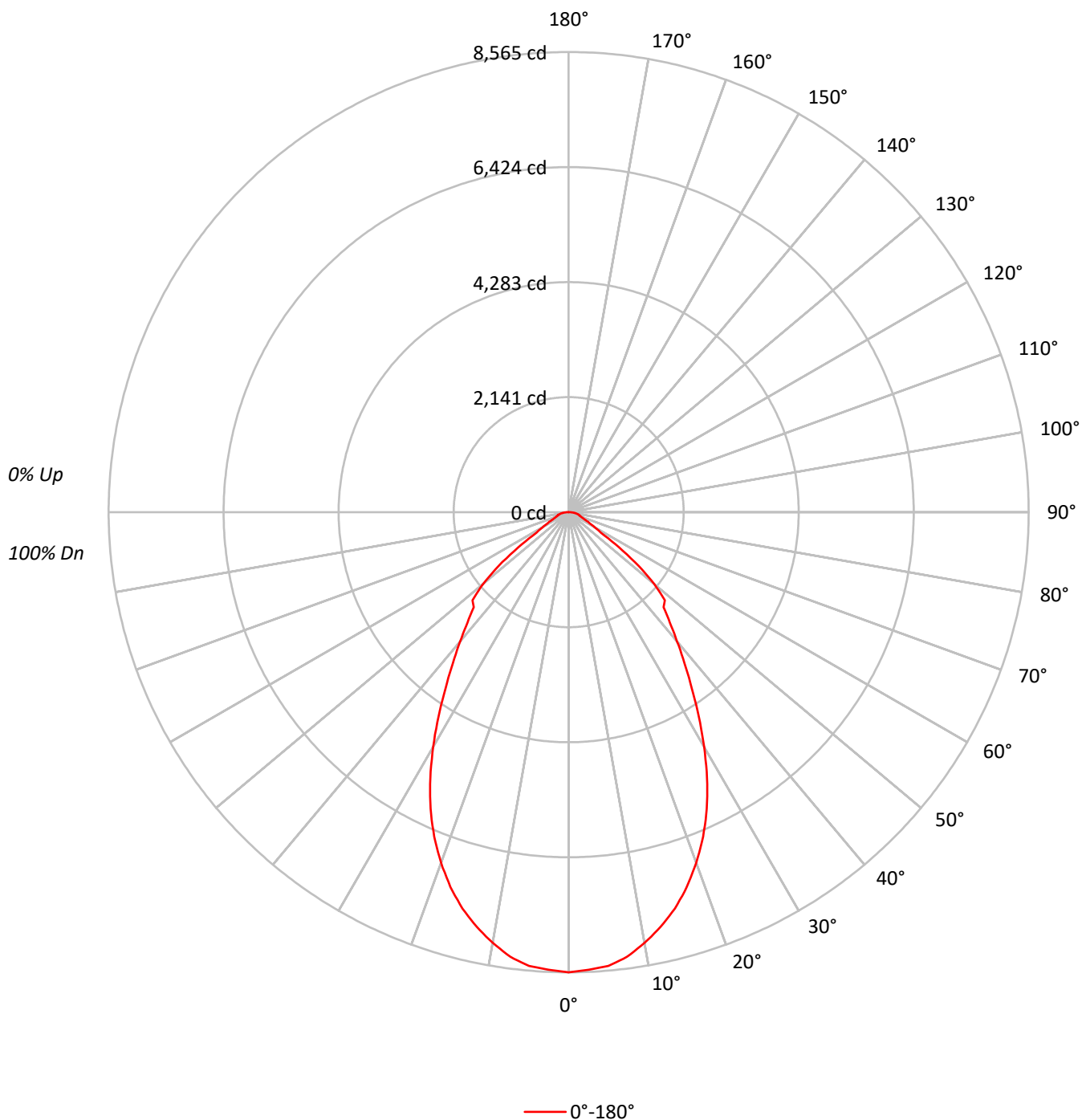
Lumens per Lamp: N/A
Luminaire Lumens: 11932.6 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
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: P1504718

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L12_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504718

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L12_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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	60	68	64	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	74137
5°	73639
10°	71530
15°	68445
20°	63975
25°	58130
30°	50386
35°	42161
40°	35475
45°	30605
50°	28020
55°	17274
60°	9713
65°	7035
70°	6096
75°	6749
80°	7606
85°	7865

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 31125 cd/sqm

TEST NUMBER: P1504718

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.3	6.7
10°-20°	2137.4	17.9
20°-30°	2774.2	23.2
30°-40°	2509.2	21.0
40°-50°	1989.4	16.7
50°-60°	1067.2	8.9
60°-70°	361.5	3.0
70°-80°	210.5	1.8
80°-90°	85.0	0.7
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°	5709.9	47.9
0°-40°	8219.1	68.9
0°-60°	11275.7	94.5
0°-90°	11932.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11932.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8565	
5°	8475	798
15°	7638	2137
25°	6087	2774
35°	3990	2509
45°	2500	1989
55°	1145	1067
65°	344	361
75°	202	210
85°	79	85
90°	0	

TEST NUMBER: P1504718

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L12_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8565.4
2.5°	8525.4
5°	8475.4
7.5°	8347.0
10°	8138.6
12.5°	7907.6
15°	7638.3
17.5°	7314.9
20°	6945.5
22.5°	6539.5
25°	6086.8
27.5°	5578.3
30°	5041.4
32.5°	4507.8
35°	3990.1
37.5°	3538.2
40°	3139.7
42.5°	2785.4
45°	2500.3
47.5°	2429.4
50°	2080.9
52.5°	1644.9
55°	1144.7
57.5°	711.1
60°	561.1
62.5°	441.0
65°	343.5
67.5°	279.3
70°	240.9
72.5°	217.6
75°	201.8
77.5°	180.9
80°	152.6
82.5°	117.6
85°	79.2
87.5°	39.2
90°	0.0

(END OF REPORT)