

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: P1504375

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504375
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-23)
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-04-WHGL-PS (5000K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

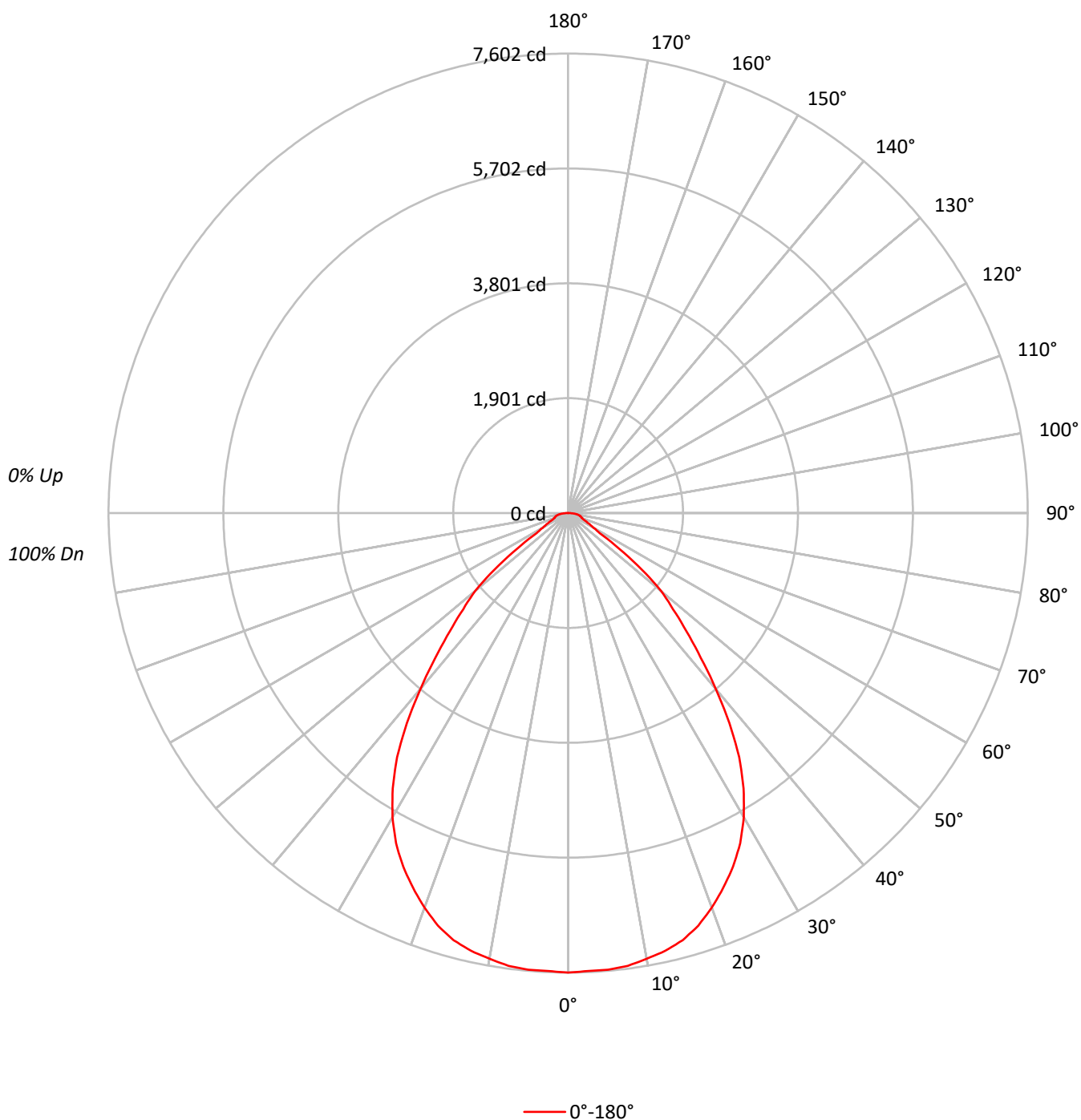
Lumens per Lamp: N/A
Luminaire Lumens: 12579.6 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 81.1
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

TEST NUMBER: P1504375

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L12_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504375

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L12_Medium_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	94	93	92	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	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69430
5°	69523
10°	69435
15°	69173
20°	67503
25°	65047
30°	61255
35°	54970
40°	45297
45°	35674
50°	28570
55°	16314
60°	8930
65°	7030
70°	6572
75°	7573
80°	8957
85°	10259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35674 cd/sqm

TEST NUMBER: P1504375

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L12_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	720.9	5.7
10°-20°	2055.2	16.3
20°-30°	2958.8	23.5
30°-40°	3040.0	24.2
40°-50°	2162.8	17.2
50°-60°	979.6	7.8
60°-70°	336.9	2.7
70°-80°	223.7	1.8
80°-90°	101.8	0.8
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°	5734.8	45.6
0°-40°	8774.9	69.8
0°-60°	11917.3	94.7
0°-90°	12579.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12579.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7602	
5°	7583	721
15°	7316	2055
25°	6455	2959
35°	4930	3040
45°	2762	2163
55°	1025	980
65°	325	337
75°	215	224
85°	98	102
90°	0	

TEST NUMBER: P1504375

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7602.2
2.5°	7581.7
5°	7583.4
7.5°	7555.3
10°	7487.2
12.5°	7419.1
15°	7316.0
17.5°	7157.6
20°	6945.5
22.5°	6707.9
25°	6455.0
27.5°	6160.3
30°	5808.5
32.5°	5398.9
35°	4930.4
37.5°	4381.1
40°	3799.4
42.5°	3248.3
45°	2762.0
47.5°	2353.2
50°	2010.8
52.5°	1539.0
55°	1024.6
57.5°	617.5
60°	488.9
62.5°	397.7
65°	325.3
67.5°	273.4
70°	246.1
72.5°	227.4
75°	214.6
77.5°	196.7
80°	170.3
82.5°	138.0
85°	97.9
87.5°	52.8
90°	0.0

(END OF REPORT)