

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: P1504378

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504378
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_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

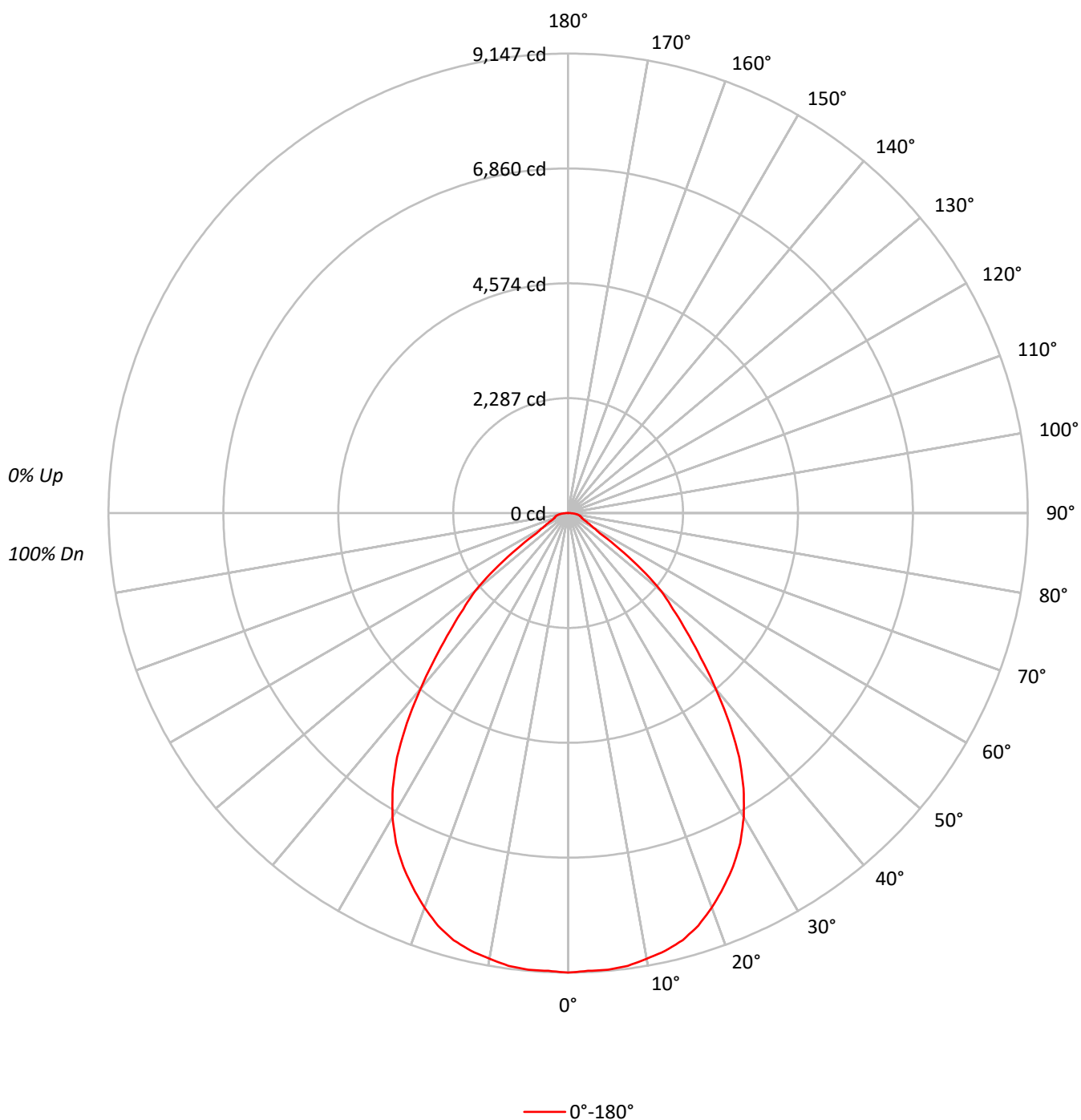
Lumens per Lamp: N/A
Luminaire Lumens: 15136.0 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 100.1
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: P1504378

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L16_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504378

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L16_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°	83539
5°	83651
10°	83545
15°	83230
20°	81221
25°	78265
30°	73703
35°	66140
40°	54502
45°	42923
50°	34377
55°	19630
60°	10744
65°	8460
70°	7909
75°	9111
80°	10782
85°	12344

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42923 cd/sqm

TEST NUMBER: P1504378

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L16_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	867.4	5.7
10°-20°	2472.8	16.3
20°-30°	3560.0	23.5
30°-40°	3657.8	24.2
40°-50°	2602.3	17.2
50°-60°	1178.7	7.8
60°-70°	405.4	2.7
70°-80°	269.2	1.8
80°-90°	122.4	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°	6900.2	45.6
0°-40°	10558.0	69.8
0°-60°	14339.0	94.7
0°-90°	15136.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15136.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9147	
5°	9124	867
15°	8803	2473
25°	7767	3560
35°	5932	3658
45°	3323	2602
55°	1233	1179
65°	392	405
75°	258	269
85°	118	122
90°	0	

TEST NUMBER: P1504378

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L16_Medium_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	9147.0
2.5°	9122.4
5°	9124.5
7.5°	9090.7
10°	9008.7
12.5°	8926.7
15°	8802.7
17.5°	8612.1
20°	8356.9
22.5°	8071.0
25°	7766.7
27.5°	7412.1
30°	6988.9
32.5°	6496.0
35°	5932.3
37.5°	5271.4
40°	4571.5
42.5°	3908.4
45°	3323.3
47.5°	2831.4
50°	2419.5
52.5°	1851.7
55°	1232.8
57.5°	743.0
60°	588.2
62.5°	478.6
65°	391.5
67.5°	328.9
70°	296.2
72.5°	273.6
75°	258.2
77.5°	236.7
80°	205.0
82.5°	166.0
85°	117.8
87.5°	63.5
90°	0.0

(END OF REPORT)