

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: P1504359

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504359
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-24)
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 (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

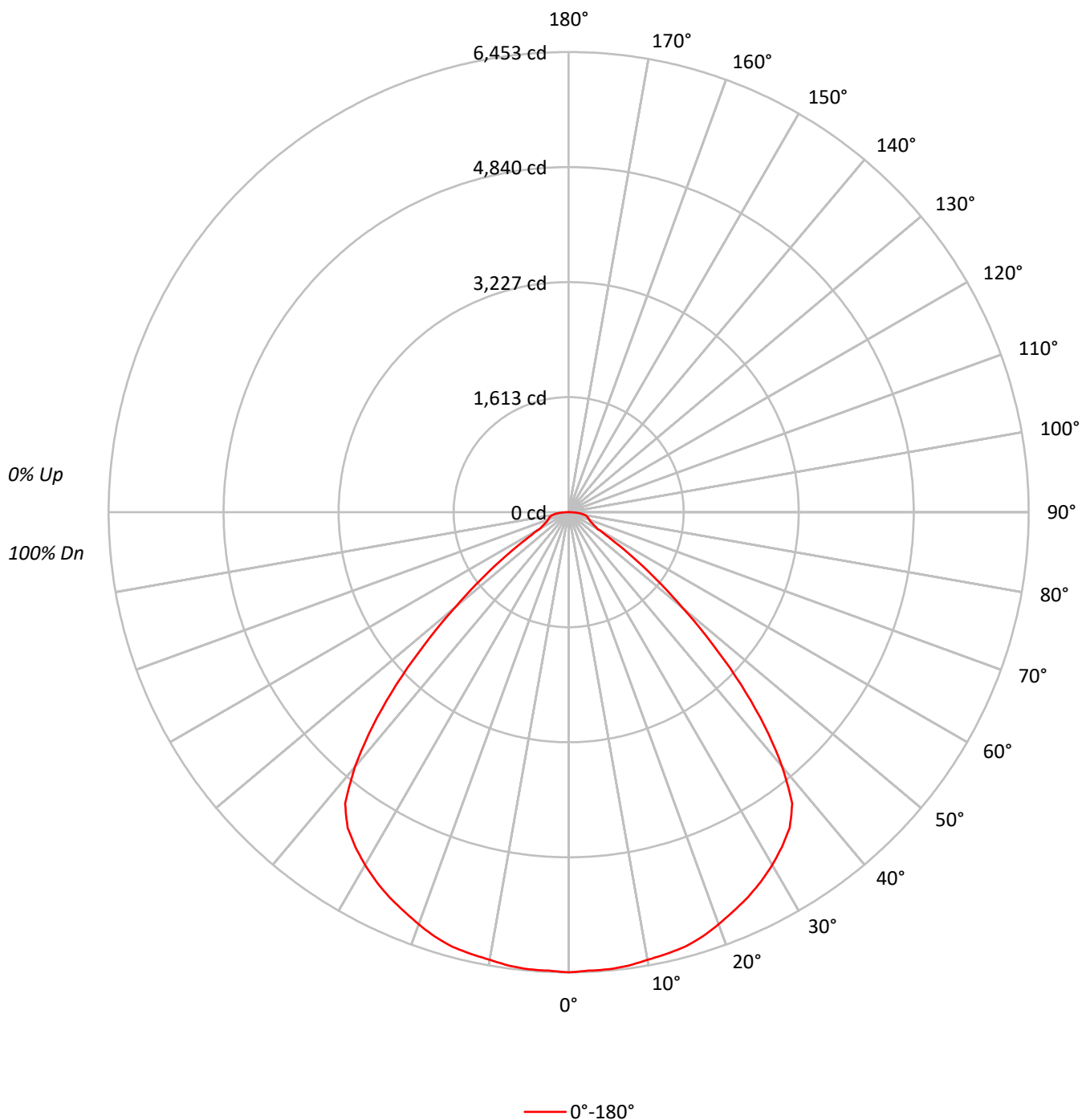
Lumens per Lamp: N/A
Luminaire Lumens: 12895.6 lumens
Efficiency: N/A
Efficacy: 157.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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: P1504359

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L12_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504359

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L12_Wide_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41		
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58933
5°	58990
10°	59116
15°	59648
20°	59774
25°	60002
30°	60234
35°	60250
40°	55601
45°	44105
50°	29555
55°	17404
60°	8512
65°	7801
70°	8214
75°	9796
80°	12060
85°	14765

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44105 cd/sqm

TEST NUMBER: P1504359

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L12_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	612.3	4.7
10°-20°	1779.6	13.8
20°-30°	2745.9	21.3
30°-40°	3334.8	25.9
40°-50°	2603.4	20.2
50°-60°	1022.4	7.9
60°-70°	365.8	2.8
70°-80°	289.4	2.2
80°-90°	142.0	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°	5137.7	39.8
0°-40°	8472.6	65.7
0°-60°	12098.4	93.8
0°-90°	12895.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12895.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6453	
5°	6434	612
15°	6309	1780
25°	5954	2746
35°	5404	3335
45°	3415	2603
55°	1093	1022
65°	361	366
75°	278	289
85°	141	142
90°	0	

TEST NUMBER: P1504359

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L12_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	6452.8
2.5°	6435.3
5°	6434.5
7.5°	6414.5
10°	6374.5
12.5°	6343.6
15°	6308.6
17.5°	6241.1
20°	6150.2
22.5°	6051.8
25°	5954.3
27.5°	5842.6
30°	5711.7
32.5°	5566.6
35°	5404.0
37.5°	5150.6
40°	4663.7
42.5°	4073.4
45°	3414.8
47.5°	2729.5
50°	2080.1
52.5°	1545.7
55°	1093.0
57.5°	709.5
60°	466.0
62.5°	405.2
65°	361.0
67.5°	325.1
70°	307.6
72.5°	291.0
75°	277.6
77.5°	258.4
80°	229.3
82.5°	192.6
85°	140.9
87.5°	73.4
90°	0.0

(END OF REPORT)