

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: P1504534

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504534
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-47)
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 (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

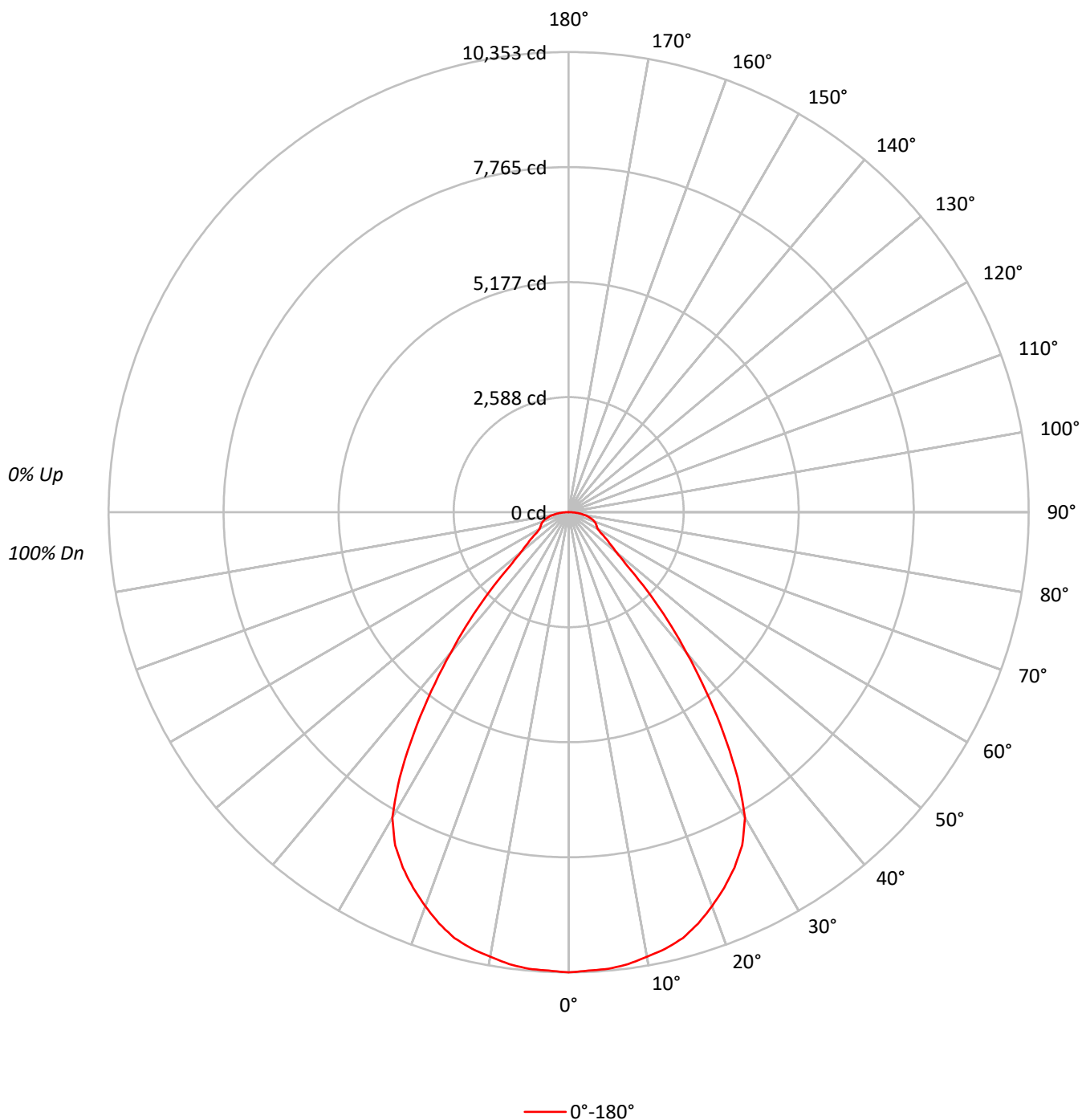
Lumens per Lamp: N/A
Luminaire Lumens: 15864.8 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 122.9
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: P1504534

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L18_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504534

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L18_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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	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	51	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	48	43	53	47	43	52	47	43	51	46	43	41		
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85043
5°	85025
10°	84725
15°	84374
20°	82457
25°	79986
30°	75277
35°	60894
40°	44249
45°	28896
50°	17875
55°	14400
60°	12404
65°	13342
70°	14867
75°	16082
80°	17115
85°	17474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28896 cd/sqm

TEST NUMBER: P1504534

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L18_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	979.3	6.2
10°-20°	2787.4	17.6
20°-30°	4042.7	25.5
30°-40°	3761.8	23.7
40°-50°	1967.3	12.4
50°-60°	916.0	5.8
60°-70°	681.5	4.3
70°-80°	528.7	3.3
80°-90°	200.0	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°	7809.4	49.2
0°-40°	11571.3	72.9
0°-60°	14454.6	91.1
0°-90°	15864.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15864.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10353	
5°	10311	979
15°	9921	2787
25°	8825	4043
35°	6072	3762
45°	2487	1967
55°	1006	916
65°	686	682
75°	507	529
85°	185	200
90°	0	

TEST NUMBER: P1504534

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L18_Medium_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	10352.8
2.5°	10324.7
5°	10311.3
7.5°	10255.1
10°	10157.4
12.5°	10060.7
15°	9921.4
17.5°	9702.3
20°	9432.7
22.5°	9145.1
25°	8824.9
27.5°	8451.9
30°	7936.2
32.5°	7071.2
35°	6072.4
37.5°	5080.4
40°	4126.5
42.5°	3292.9
45°	2487.4
47.5°	1774.0
50°	1398.7
52.5°	1177.4
55°	1005.5
57.5°	849.3
60°	755.0
62.5°	717.9
65°	686.4
67.5°	658.4
70°	619.0
72.5°	567.4
75°	506.7
77.5°	438.2
80°	361.8
82.5°	276.4
85°	185.4
87.5°	92.1
90°	0.0

(END OF REPORT)