

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: P1504563

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504563
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-48)
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 (5000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

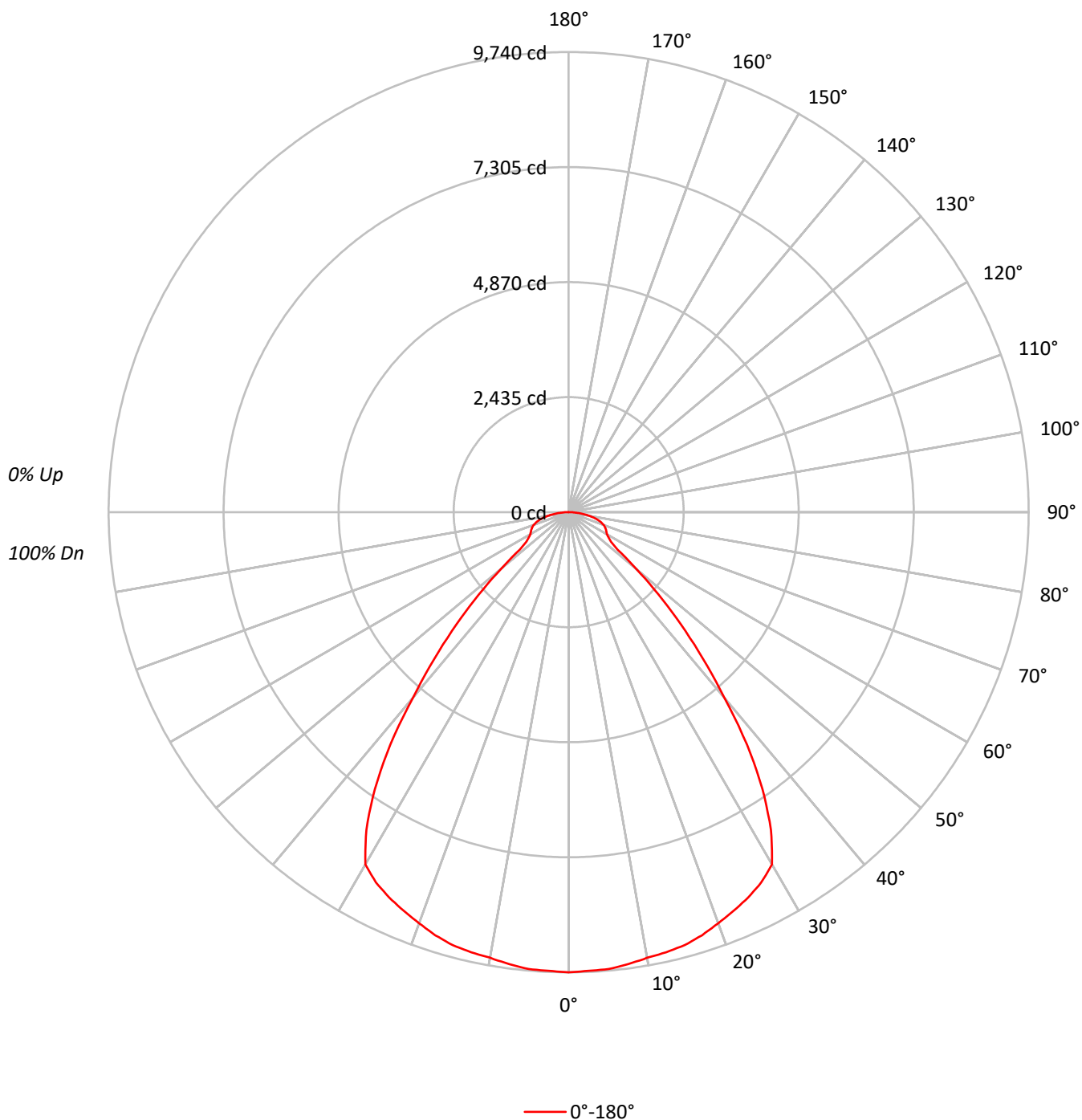
Lumens per Lamp: N/A
Luminaire Lumens: 17574.0 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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

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Luminous Intensity Polar Plot





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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	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	73	65	59	82	72	64	59	70	63	59	68	62	58	66	61	57	56		
6	78	67	59	54	76	66	59	53	64	58	53	63	57	52	61	56	52	50		
7	73	61	54	49	72	61	53	48	59	53	48	58	52	48	57	51	47	46		
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42		
9	65	53	45	41	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80007
5°	80056
10°	79894
15°	80681
20°	80934
25°	81538
30°	81674
35°	71746
40°	55058
45°	38977
50°	23826
55°	15759
60°	15364
65°	16920
70°	18923
75°	20560
80°	20956
85°	19972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38977 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	922.0	5.2
10°-20°	2676.7	15.2
20°-30°	4145.2	23.6
30°-40°	4386.5	25.0
40°-50°	2605.7	14.8
50°-60°	1071.6	6.1
60°-70°	860.4	4.9
70°-80°	671.0	3.8
80°-90°	234.9	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°	7743.9	44.1
0°-40°	12130.4	69.0
0°-60°	15807.8	89.9
0°-90°	17574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17574.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9740	
5°	9709	922
15°	9487	2677
25°	8996	4145
35°	7155	4387
45°	3355	2606
55°	1100	1072
65°	870	860
75°	648	671
85°	212	235
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9739.8
2.5°	9714.7
5°	9708.7
7.5°	9646.4
10°	9578.2
12.5°	9539.8
15°	9487.2
17.5°	9389.0
20°	9258.4
22.5°	9131.5
25°	8996.2
27.5°	8833.4
30°	8610.6
32.5°	7973.6
35°	7154.6
37.5°	6202.6
40°	5134.5
42.5°	4202.9
45°	3355.2
47.5°	2579.2
50°	1864.4
52.5°	1306.4
55°	1100.4
57.5°	1002.2
60°	935.2
62.5°	902.9
65°	870.5
67.5°	835.8
70°	787.9
72.5°	724.4
75°	647.8
77.5°	554.4
80°	443.0
82.5°	326.9
85°	211.9
87.5°	103.0
90°	0.0

(END OF REPORT)