

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: P1504557

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504557
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_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

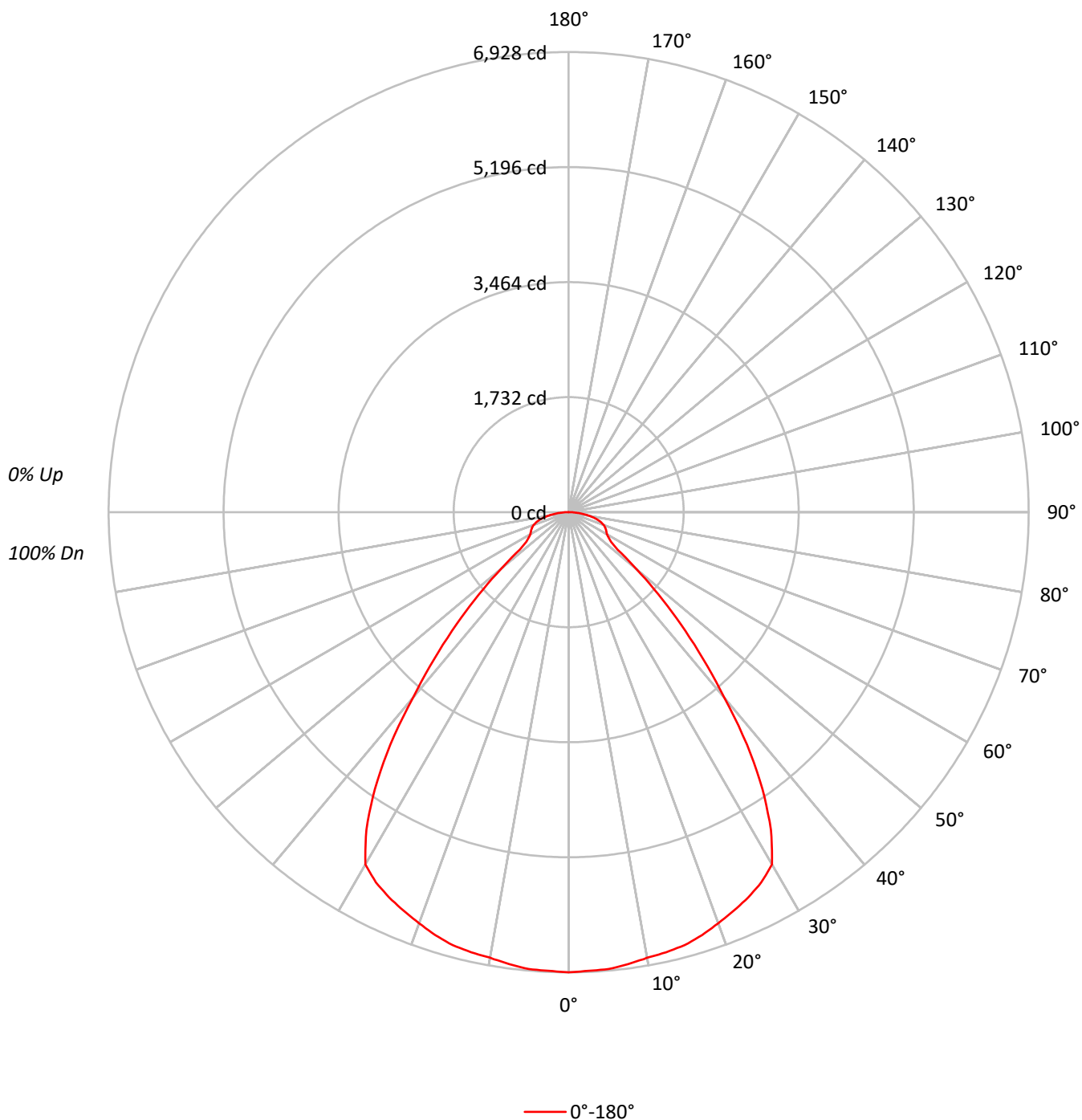
Lumens per Lamp: N/A
Luminaire Lumens: 12499.9 lumens
Efficiency: N/A
Efficacy: 154.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	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	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°	56907
5°	56942
10°	56826
15°	57386
20°	57566
25°	57996
30°	58092
35°	51031
40°	39161
45°	27723
50°	16947
55°	11209
60°	10929
65°	12035
70°	13459
75°	14625
80°	14906
85°	14204

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 27723 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.8	5.2
10°-20°	1903.8	15.2
20°-30°	2948.4	23.6
30°-40°	3120.0	25.0
40°-50°	1853.4	14.8
50°-60°	762.2	6.1
60°-70°	612.0	4.9
70°-80°	477.3	3.8
80°-90°	167.1	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°	5508.0	44.1
0°-40°	8628.0	69.0
0°-60°	11243.6	89.9
0°-90°	12499.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12499.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6928	
5°	6906	656
15°	6748	1904
25°	6399	2948
35°	5089	3120
45°	2386	1853
55°	783	762
65°	619	612
75°	461	477
85°	151	167
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6927.6
2.5°	6909.8
5°	6905.5
7.5°	6861.2
10°	6812.7
12.5°	6785.4
15°	6747.9
17.5°	6678.1
20°	6585.3
22.5°	6495.0
25°	6398.7
27.5°	6282.9
30°	6124.5
32.5°	5671.4
35°	5088.8
37.5°	4411.8
40°	3652.0
42.5°	2989.4
45°	2386.4
47.5°	1834.5
50°	1326.1
52.5°	929.2
55°	782.7
57.5°	712.9
60°	665.2
62.5°	642.2
65°	619.2
67.5°	594.5
70°	560.4
72.5°	515.3
75°	460.8
77.5°	394.3
80°	315.1
82.5°	232.5
85°	150.7
87.5°	73.2
90°	0.0

(END OF REPORT)