

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: P1504926

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (6500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504926
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-60)
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-B-06-WHGL-PS (6500K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

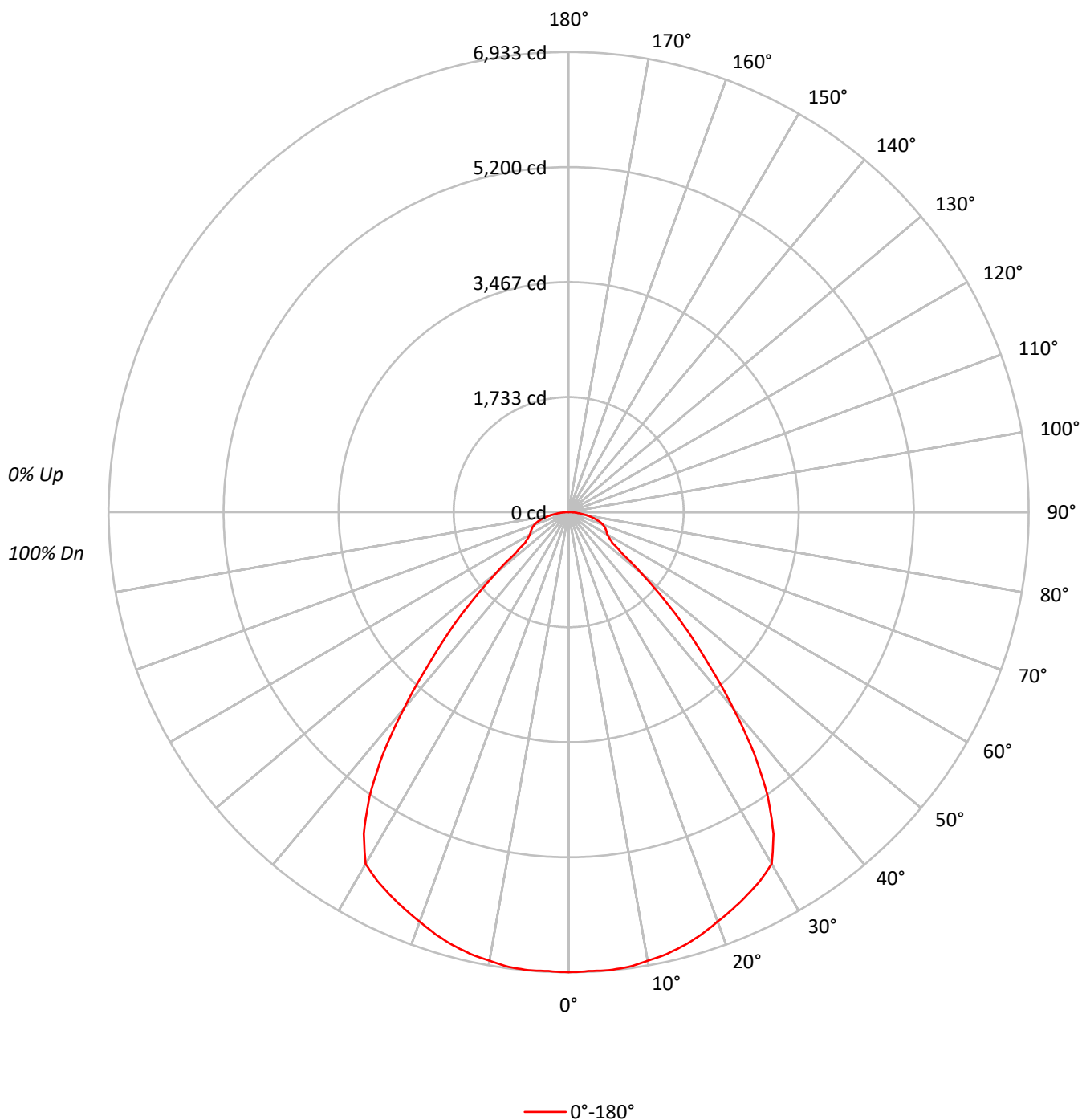
Lumens per Lamp: N/A
Luminaire Lumens: 12668.5 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 83
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	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	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	62	57	52	61	56	52	50		
7	73	61	54	48	71	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	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56221
5°	56401
10°	56530
15°	56703
20°	56649
25°	56961
30°	57286
35°	51816
40°	40924
45°	29090
50°	17988
55°	11332
60°	10911
65°	11851
70°	12977
75°	13539
80°	12978
85°	11984

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29090 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	659.3	5.2
10°-20°	1906.0	15.0
20°-30°	2936.7	23.2
30°-40°	3203.2	25.3
40°-50°	1964.8	15.5
50°-60°	796.6	6.3
60°-70°	609.8	4.8
70°-80°	447.8	3.5
80°-90°	144.3	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°	5502.1	43.4
0°-40°	8705.3	68.7
0°-60°	11466.7	90.5
0°-90°	12668.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12668.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6933	
5°	6928	659
15°	6754	1906
25°	6366	2937
35°	5234	3203
45°	2536	1965
55°	802	797
65°	618	610
75°	432	448
85°	129	144
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6932.7
2.5°	6921.7
5°	6928.5
7.5°	6910.7
10°	6864.9
12.5°	6820.0
15°	6753.9
17.5°	6668.4
20°	6564.2
22.5°	6468.4
25°	6365.9
27.5°	6254.9
30°	6117.7
32.5°	5745.8
35°	5234.0
37.5°	4601.2
40°	3865.8
42.5°	3141.4
45°	2536.5
47.5°	1956.2
50°	1425.8
52.5°	999.7
55°	801.5
57.5°	726.9
60°	672.7
62.5°	644.7
65°	617.6
67.5°	588.0
70°	547.3
72.5°	494.8
75°	432.1
77.5°	357.5
80°	277.9
82.5°	200.8
85°	128.8
87.5°	61.8
90°	0.0

(END OF REPORT)