

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: P1504546

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504546
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 (4000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

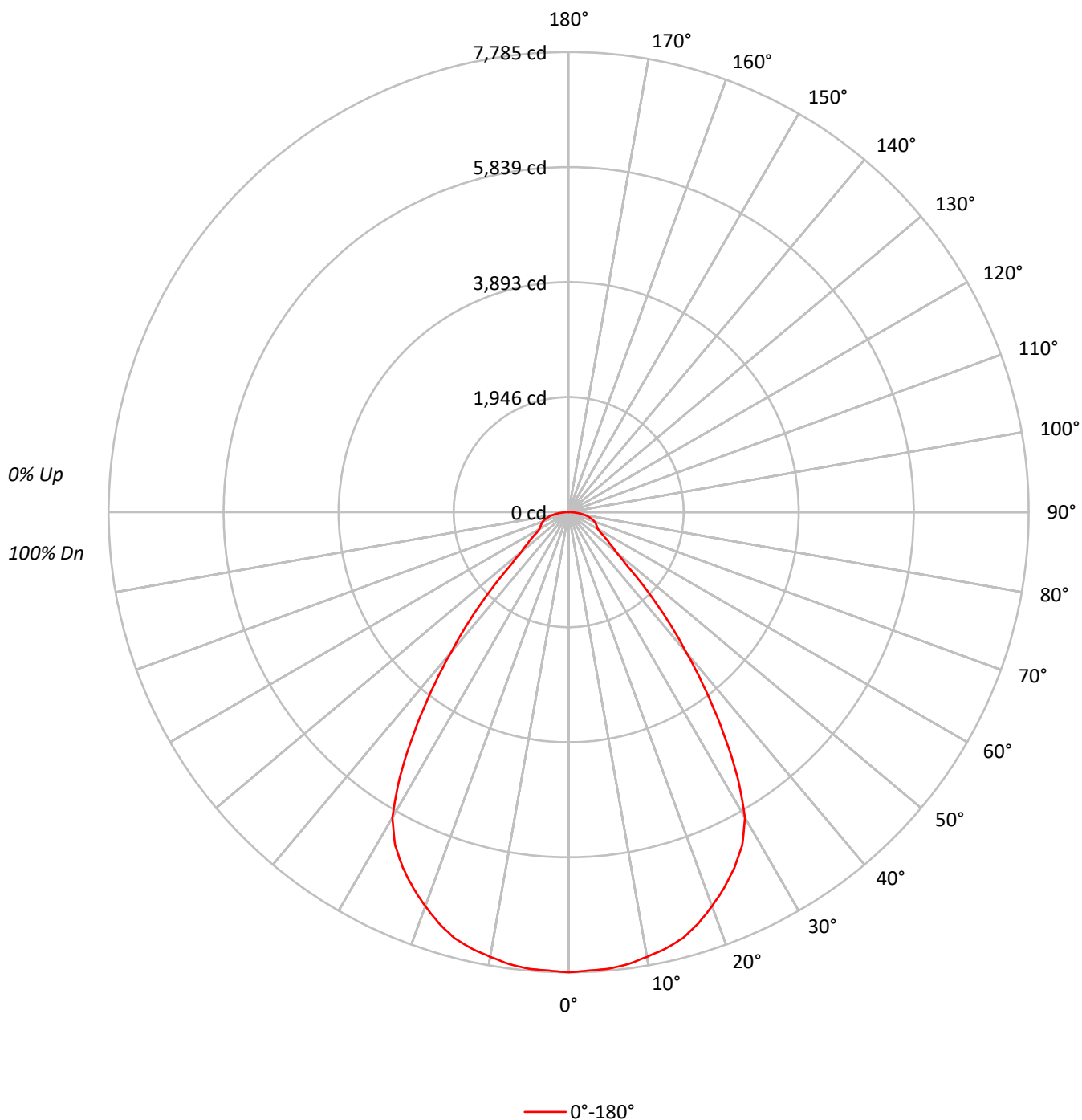
Lumens per Lamp: N/A
Luminaire Lumens: 11929.9 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 80.7
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

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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	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°	63950
5°	63937
10°	63711
15°	63448
20°	62006
25°	60148
30°	56607
35°	45791
40°	33275
45°	21730
50°	13441
55°	10828
60°	9327
65°	10033
70°	11180
75°	12092
80°	12867
85°	13139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21730 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	736.4	6.2
10°-20°	2096.1	17.6
20°-30°	3040.1	25.5
30°-40°	2828.8	23.7
40°-50°	1479.4	12.4
50°-60°	688.9	5.8
60°-70°	512.5	4.3
70°-80°	397.5	3.3
80°-90°	150.3	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°	5872.5	49.2
0°-40°	8701.4	72.9
0°-60°	10869.6	91.1
0°-90°	11929.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11929.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7785	
5°	7754	736
15°	7461	2096
25°	6636	3040
35°	4566	2829
45°	1870	1479
55°	756	689
65°	516	512
75°	381	398
85°	139	150
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7785.1
2.5°	7764.0
5°	7753.9
7.5°	7711.6
10°	7638.1
12.5°	7565.5
15°	7460.7
17.5°	7296.0
20°	7093.2
22.5°	6876.9
25°	6636.2
27.5°	6355.7
30°	5967.9
32.5°	5317.4
35°	4566.3
37.5°	3820.3
40°	3103.1
42.5°	2476.2
45°	1870.5
47.5°	1334.0
50°	1051.8
52.5°	885.4
55°	756.1
57.5°	638.7
60°	567.7
62.5°	539.8
65°	516.2
67.5°	495.1
70°	465.5
72.5°	426.6
75°	381.0
77.5°	329.5
80°	272.0
82.5°	207.8
85°	139.4
87.5°	69.3
90°	0.0

(END OF REPORT)