

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: P1504377

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504377
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-24)
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-04-WHGL-PS (5000K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

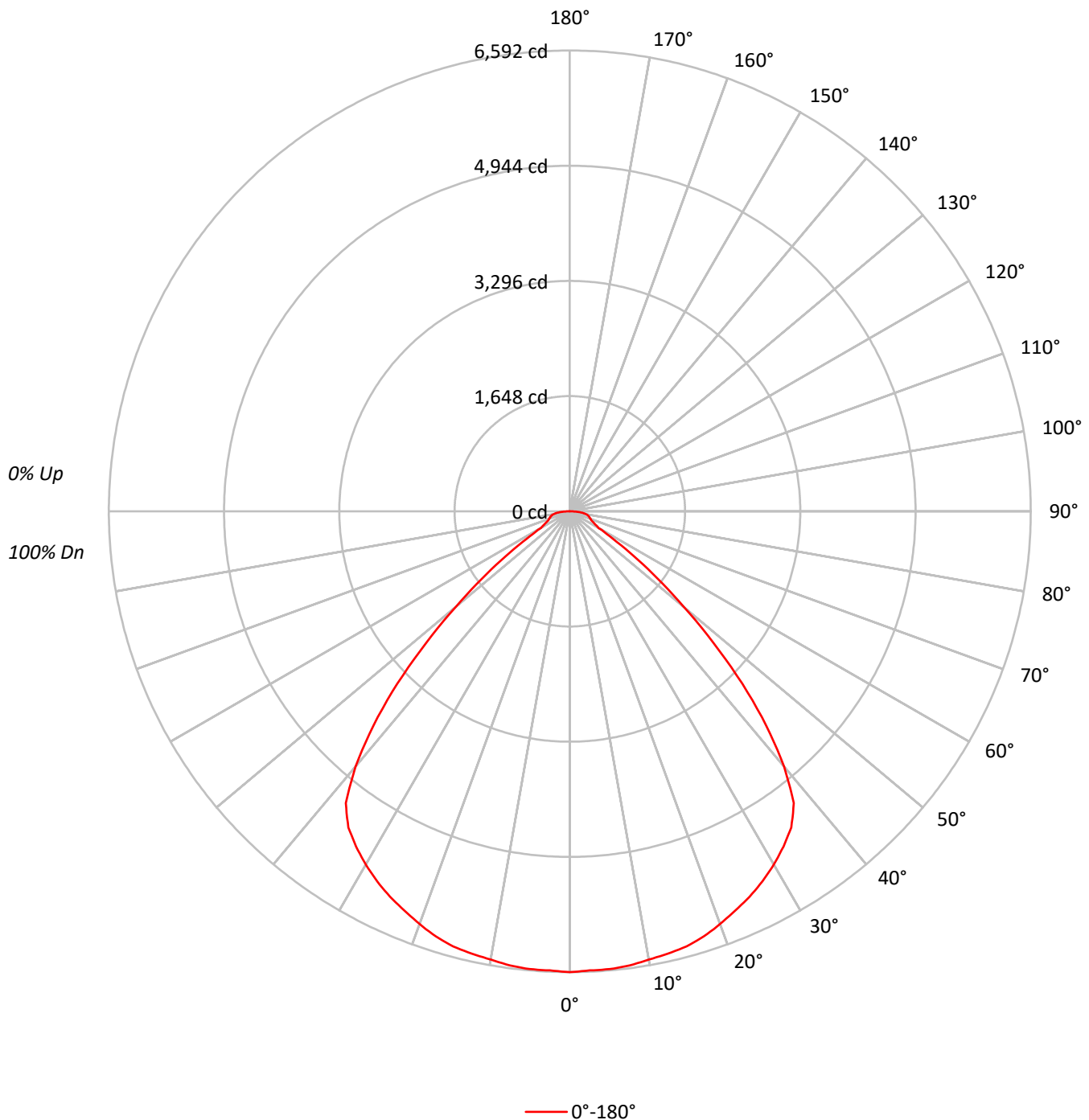
Lumens per Lamp: N/A
Luminaire Lumens: 13173.8 lumens
Efficiency: N/A
Efficacy: 162.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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	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	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41		
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60205
5°	60263
10°	60391
15°	60935
20°	61064
25°	61297
30°	61533
35°	61551
40°	56802
45°	45057
50°	30193
55°	17779
60°	8696
65°	7970
70°	8393
75°	10007
80°	12318
85°	15079

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 45057 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.5	4.7
10°-20°	1818.0	13.8
20°-30°	2805.1	21.3
30°-40°	3406.8	25.9
40°-50°	2659.6	20.2
50°-60°	1044.5	7.9
60°-70°	373.7	2.8
70°-80°	295.7	2.2
80°-90°	145.0	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°	5248.6	39.8
0°-40°	8655.4	65.7
0°-60°	12359.4	93.8
0°-90°	13173.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13173.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6592	
5°	6573	626
15°	6445	1818
25°	6083	2805
35°	5521	3407
45°	3488	2660
55°	1117	1044
65°	369	374
75°	284	296
85°	144	145
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6592.1
2.5°	6574.2
5°	6573.3
7.5°	6552.9
10°	6512.0
12.5°	6480.5
15°	6444.7
17.5°	6375.7
20°	6282.9
22.5°	6182.4
25°	6082.8
27.5°	5968.6
30°	5834.9
32.5°	5686.7
35°	5520.7
37.5°	5261.7
40°	4764.4
42.5°	4161.4
45°	3488.5
47.5°	2788.4
50°	2125.0
52.5°	1579.0
55°	1116.6
57.5°	724.8
60°	476.1
62.5°	413.9
65°	368.8
67.5°	332.2
70°	314.3
72.5°	297.2
75°	283.6
77.5°	264.0
80°	234.2
82.5°	196.7
85°	143.9
87.5°	74.9
90°	0.0

(END OF REPORT)