

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: P1504889

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504889
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-58)
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 (3000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

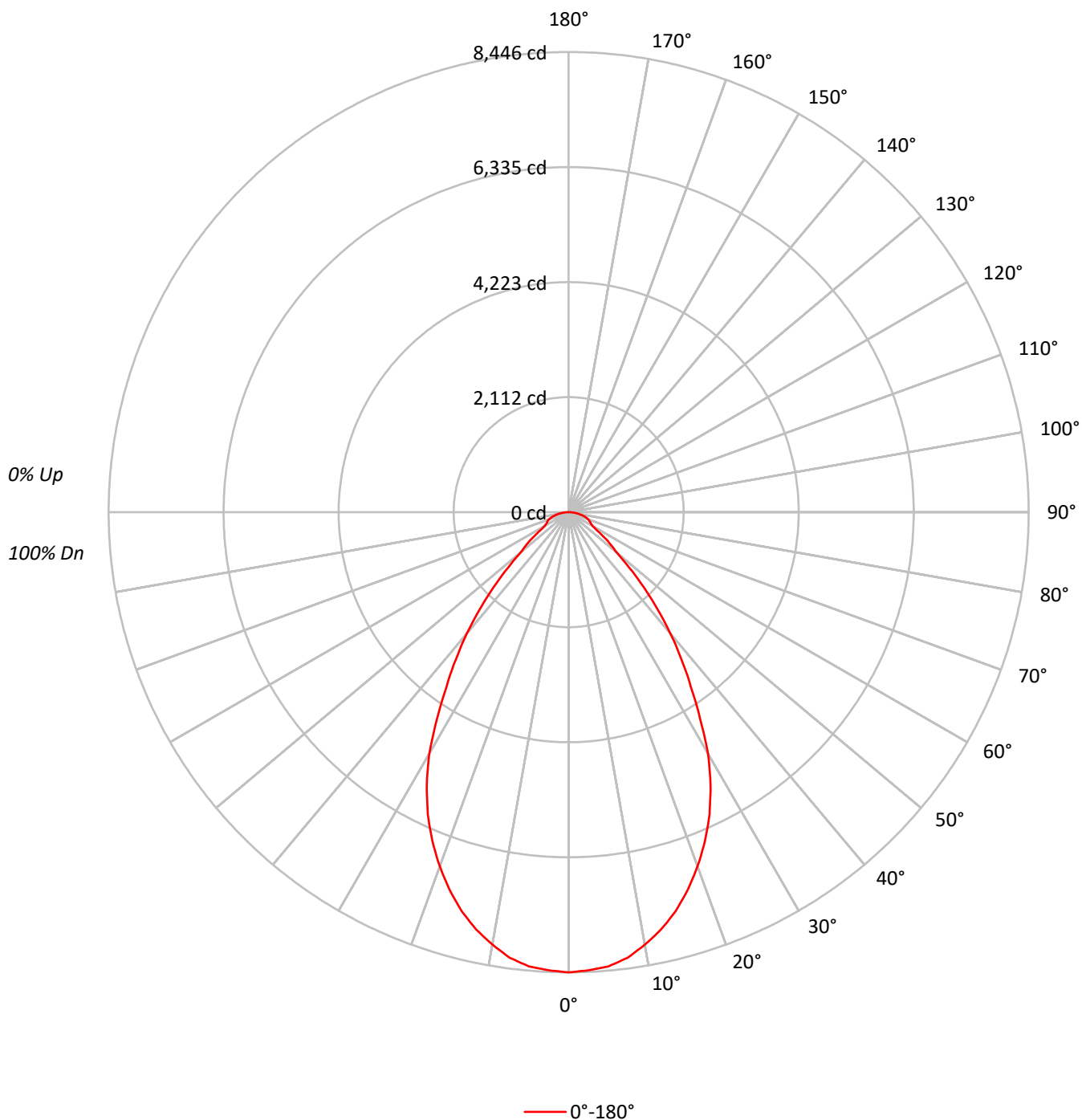
Lumens per Lamp: N/A
Luminaire Lumens: 11227.1 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46		
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42		
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68495
5°	68116
10°	66380
15°	63648
20°	59701
25°	54732
30°	47947
35°	38738
40°	30755
45°	22364
50°	14474
55°	10983
60°	8259
65°	8385
70°	9036
75°	9246
80°	9163
85°	8979

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22364 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.0	7.0
10°-20°	2122.4	18.9
20°-30°	2789.0	24.8
30°-40°	2457.4	21.9
40°-50°	1511.0	13.5
50°-60°	707.8	6.3
60°-70°	436.3	3.9
70°-80°	308.9	2.8
80°-90°	105.4	0.9
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°	5700.3	50.8
0°-40°	8157.7	72.7
0°-60°	10376.5	92.4
0°-90°	11227.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11227.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8446	
5°	8368	789
15°	7581	2122
25°	6117	2789
35°	3913	2457
45°	1950	1511
55°	777	708
65°	437	436
75°	295	309
85°	96	105
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8446.3
2.5°	8414.6
5°	8367.6
7.5°	8250.9
10°	8061.1
12.5°	7843.8
15°	7581.1
17.5°	7268.1
20°	6917.9
22.5°	6536.0
25°	6116.8
27.5°	5640.0
30°	5120.3
32.5°	4493.5
35°	3913.0
37.5°	3399.7
40°	2905.2
42.5°	2413.0
45°	1950.0
47.5°	1512.2
50°	1147.3
52.5°	968.9
55°	776.8
57.5°	607.3
60°	509.2
62.5°	465.4
65°	437.0
67.5°	413.5
70°	381.1
72.5°	341.4
75°	295.1
77.5°	245.7
80°	196.2
82.5°	145.9
85°	96.5
87.5°	47.0
90°	0.0

(END OF REPORT)