

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: P1504888

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504888
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-59)
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_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

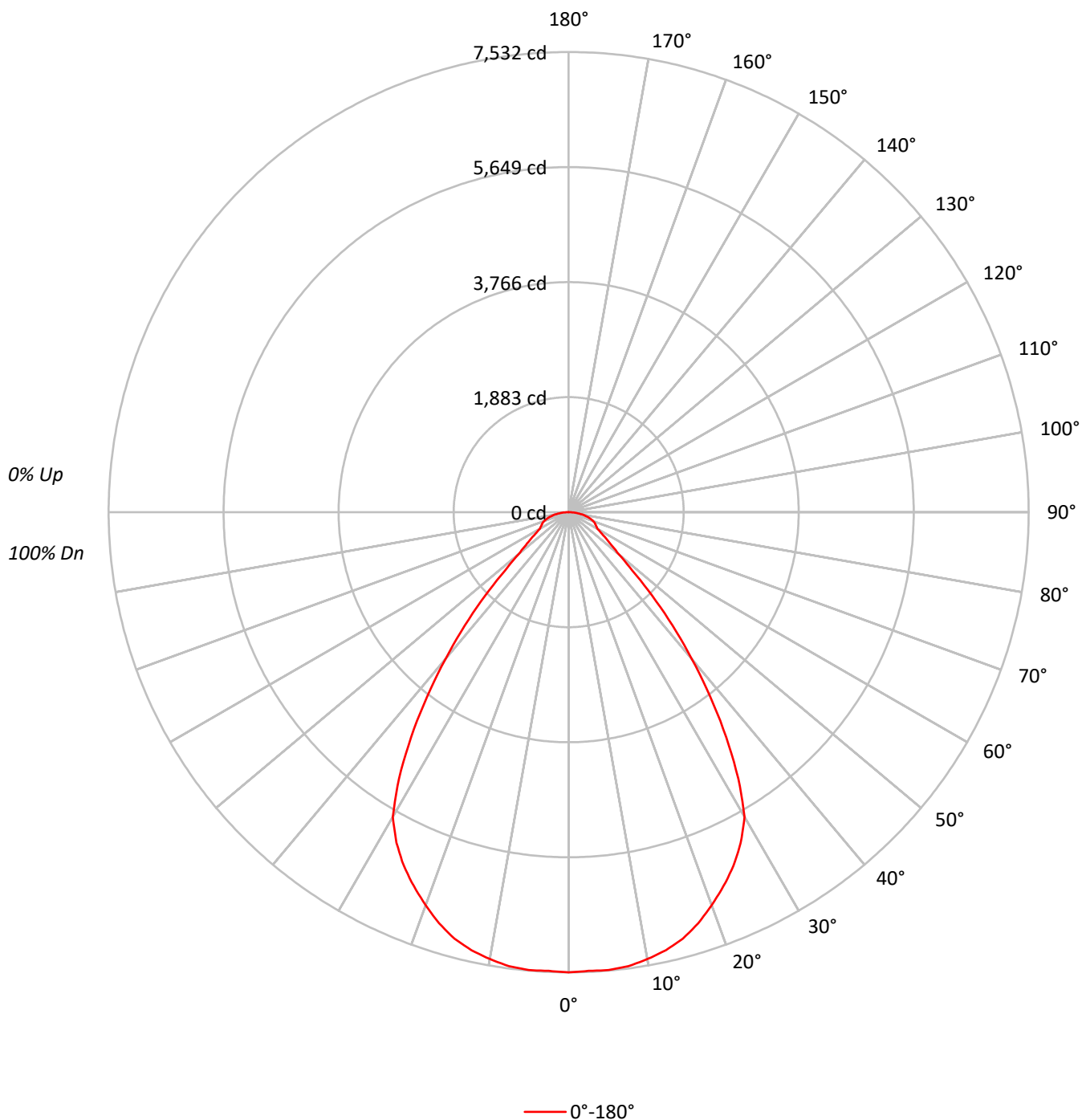
Lumens per Lamp: N/A
Luminaire Lumens: 11611.9 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.09
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	85	80	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64		
5	85	75	67	62	83	73	67	62	72	66	61	70	65	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	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	52	47	69	58	52	47	57	51	47	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	44	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61085
5°	61232
10°	61166
15°	60660
20°	59085
25°	57148
30°	53929
35°	44518
40°	33150
45°	22122
50°	13461
55°	10546
60°	8877
65°	9320
70°	10169
75°	10594
80°	10676
85°	10337

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22122 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.0	6.2
10°-20°	2030.0	17.5
20°-30°	2926.6	25.2
30°-40°	2781.9	24.0
40°-50°	1518.0	13.1
50°-60°	682.0	5.9
60°-70°	482.6	4.2
70°-80°	353.1	3.0
80°-90°	122.7	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°	5671.6	48.8
0°-40°	8453.5	72.8
0°-60°	10653.5	91.7
0°-90°	11611.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11611.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7532	
5°	7522	715
15°	7225	2030
25°	6387	2927
35°	4497	2782
45°	1929	1518
55°	746	682
65°	486	483
75°	338	353
85°	111	123
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7532.5
2.5°	7515.4
5°	7521.9
7.5°	7495.2
10°	7427.9
12.5°	7346.0
15°	7225.2
17.5°	7054.9
20°	6846.5
22.5°	6624.4
25°	6386.8
27.5°	6102.2
30°	5759.2
32.5°	5168.9
35°	4496.8
37.5°	3810.0
40°	3131.4
42.5°	2515.1
45°	1928.9
47.5°	1413.2
50°	1067.0
52.5°	879.7
55°	745.9
57.5°	627.6
60°	547.3
62.5°	512.4
65°	485.7
67.5°	461.4
70°	428.9
72.5°	385.9
75°	338.1
77.5°	285.4
80°	228.6
82.5°	171.1
85°	111.1
87.5°	54.3
90°	0.0

(END OF REPORT)