

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: P1504899

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504899
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 (3500K_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

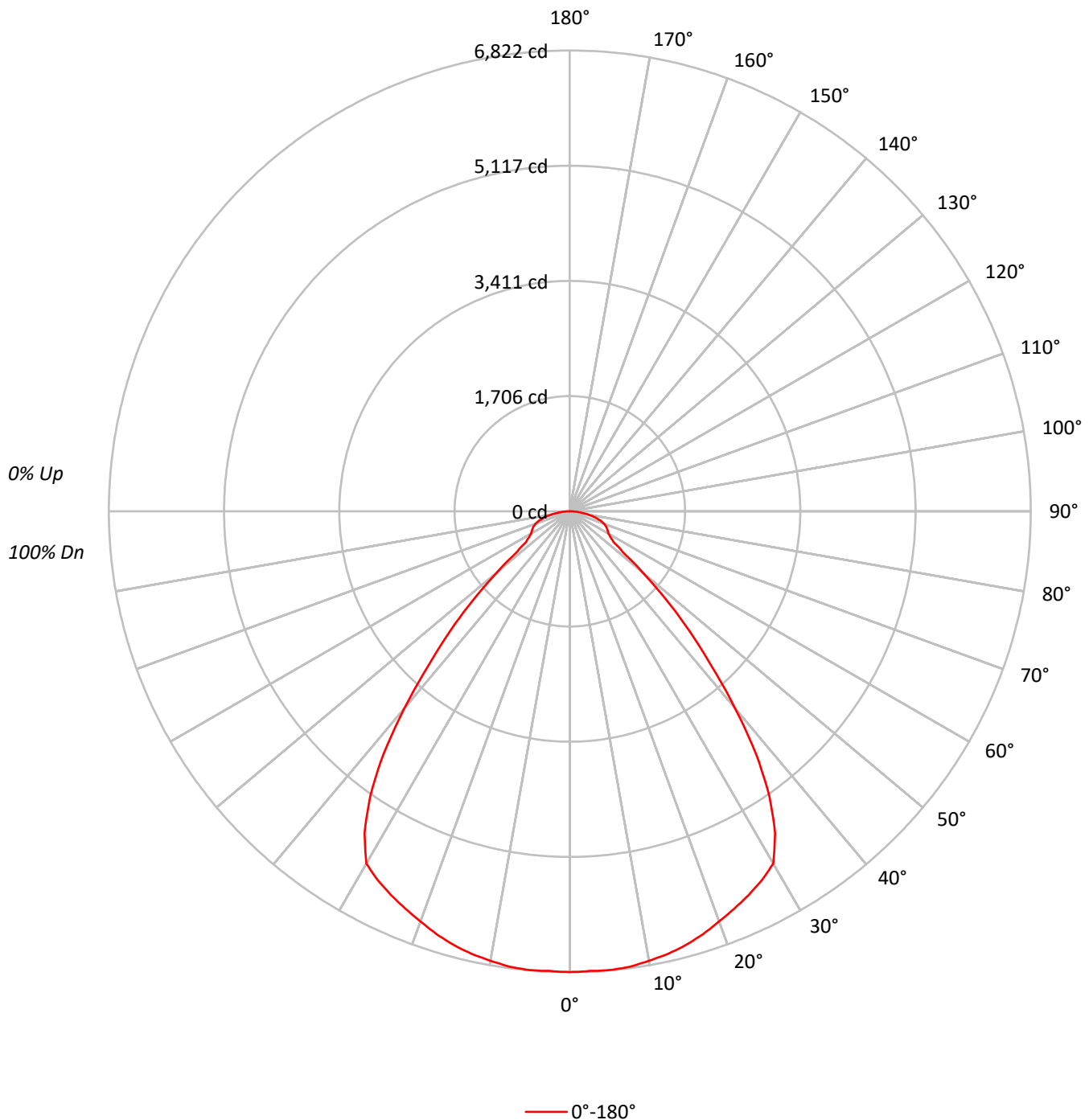
Lumens per Lamp: N/A
Luminaire Lumens: 12466.5 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
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	50	30	10
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°	55324
5°	55502
10°	55628
15°	55799
20°	55745
25°	56053
30°	56372
35°	50990
40°	40272
45°	28627
50°	17702
55°	11151
60°	10737
65°	11663
70°	12771
75°	13323
80°	12773
85°	11789

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 28627 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.8	5.2
10°-20°	1875.6	15.0
20°-30°	2889.9	23.2
30°-40°	3152.2	25.3
40°-50°	1933.5	15.5
50°-60°	783.9	6.3
60°-70°	600.1	4.8
70°-80°	440.6	3.5
80°-90°	142.0	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°	5414.3	43.4
0°-40°	8566.5	68.7
0°-60°	11283.8	90.5
0°-90°	12466.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12466.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6822	
5°	6818	649
15°	6646	1876
25°	6264	2890
35°	5151	3152
45°	2496	1933
55°	789	784
65°	608	600
75°	425	441
85°	127	142
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6822.1
2.5°	6811.3
5°	6818.0
7.5°	6800.5
10°	6755.4
12.5°	6711.3
15°	6646.2
17.5°	6562.0
20°	6459.5
22.5°	6365.3
25°	6264.4
27.5°	6155.2
30°	6020.1
32.5°	5654.1
35°	5150.6
37.5°	4527.8
40°	3804.2
42.5°	3091.3
45°	2496.1
47.5°	1925.0
50°	1403.1
52.5°	983.8
55°	788.7
57.5°	715.3
60°	662.0
62.5°	634.4
65°	607.8
67.5°	578.6
70°	538.6
72.5°	486.9
75°	425.2
77.5°	351.8
80°	273.5
82.5°	197.6
85°	126.7
87.5°	60.9
90°	0.0

(END OF REPORT)