

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: P1504907

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (4000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504907
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 (4000K_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

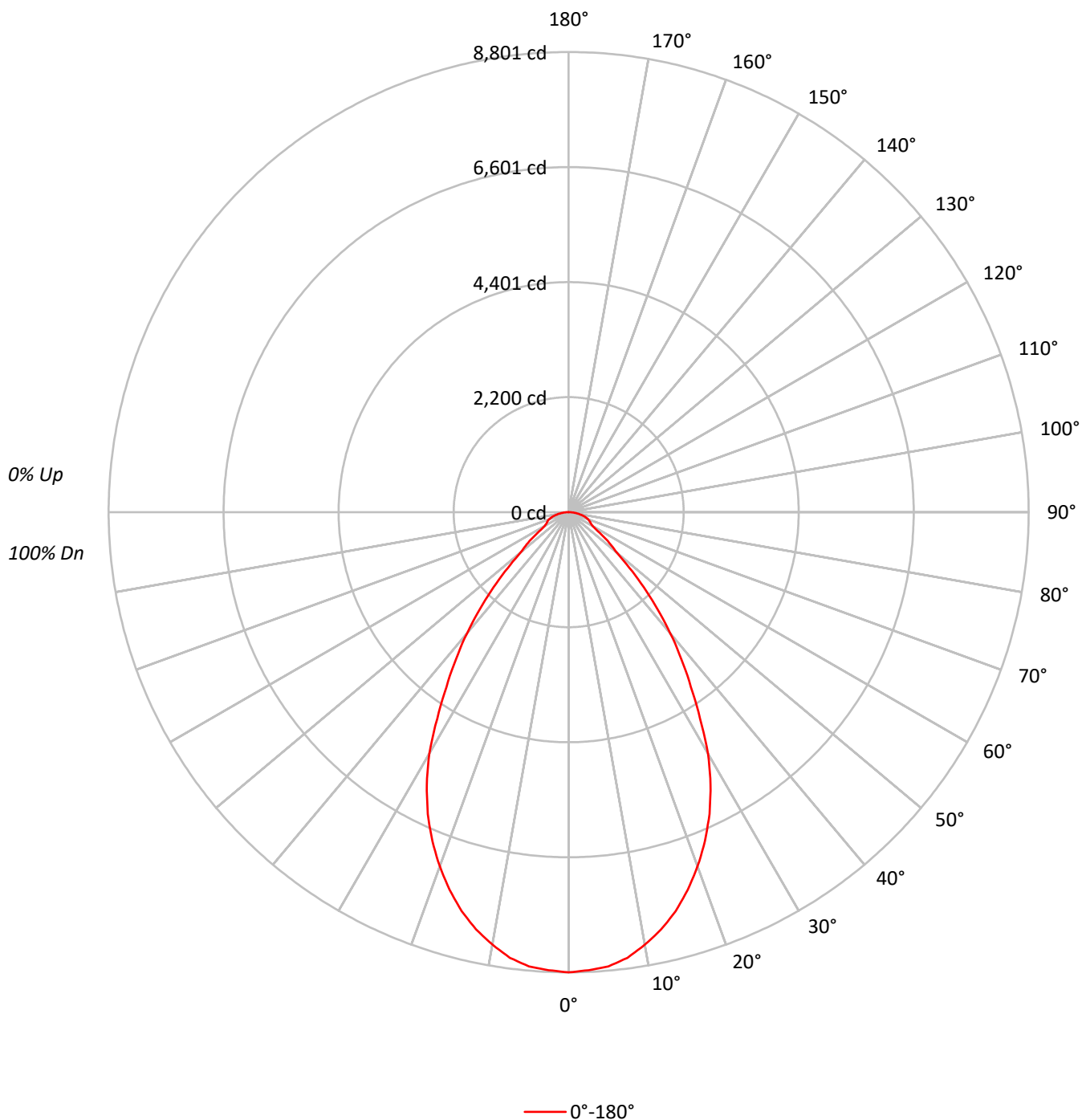
Lumens per Lamp: N/A
Luminaire Lumens: 11698.2 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	71368
5°	70974
10°	69165
15°	66318
20°	62205
25°	57028
30°	49958
35°	40364
40°	32044
45°	23302
50°	15081
55°	11444
60°	8606
65°	8739
70°	9415
75°	9635
80°	9546
85°	9351

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23302 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	822.1	7.0
10°-20°	2211.4	18.9
20°-30°	2906.0	24.8
30°-40°	2560.5	21.9
40°-50°	1574.4	13.5
50°-60°	737.5	6.3
60°-70°	454.6	3.9
70°-80°	321.9	2.8
80°-90°	109.9	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°	5939.5	50.8
0°-40°	8500.0	72.7
0°-60°	10811.9	92.4
0°-90°	11698.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11698.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8801	
5°	8719	822
15°	7899	2211
25°	6373	2906
35°	4077	2560
45°	2032	1574
55°	809	737
65°	455	455
75°	308	322
85°	100	110
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8800.6
2.5°	8767.7
5°	8718.7
7.5°	8597.0
10°	8399.3
12.5°	8172.9
15°	7899.2
17.5°	7573.1
20°	7208.1
22.5°	6810.2
25°	6373.4
27.5°	5876.7
30°	5335.1
32.5°	4682.1
35°	4077.2
37.5°	3542.4
40°	3027.0
42.5°	2514.2
45°	2031.8
47.5°	1575.6
50°	1195.4
52.5°	1009.6
55°	809.4
57.5°	632.8
60°	530.6
62.5°	484.9
65°	455.4
67.5°	430.9
70°	397.1
72.5°	355.7
75°	307.5
77.5°	256.0
80°	204.4
82.5°	152.1
85°	100.5
87.5°	49.0
90°	0.0

(END OF REPORT)