

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: P1504901

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504901
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 (3500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

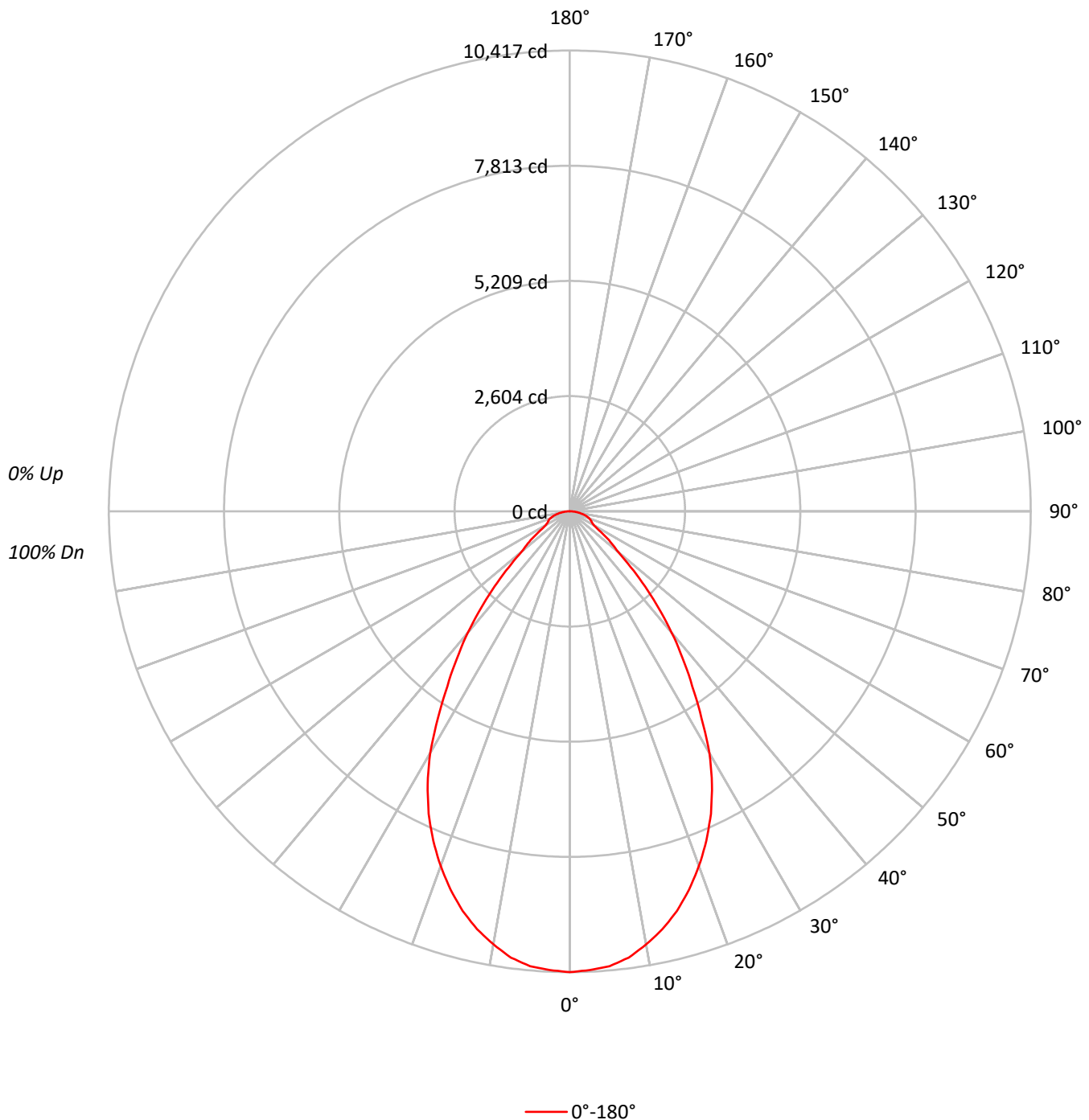
Lumens per Lamp: N/A
Luminaire Lumens: 13846.8 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 100.4
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°	84477
5°	84010
10°	81868
15°	78499
20°	73631
25°	67502
30°	59134
35°	47777
40°	37930
45°	27582
50°	17852
55°	13545
60°	10186
65°	10343
70°	11144
75°	11405
80°	11302
85°	11072

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	973.1	7.0
10°-20°	2617.6	18.9
20°-30°	3439.7	24.8
30°-40°	3030.7	21.9
40°-50°	1863.6	13.5
50°-60°	872.9	6.3
60°-70°	538.1	3.9
70°-80°	381.0	2.8
80°-90°	130.1	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°	7030.4	50.8
0°-40°	10061.1	72.7
0°-60°	12797.6	92.4
0°-90°	13846.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13846.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10417	
5°	10320	973
15°	9350	2618
25°	7544	3440
35°	4826	3031
45°	2405	1864
55°	958	873
65°	539	538
75°	364	381
85°	119	130
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10417
2.5°	10378
5°	10320
7.5°	10176
10°	9942
12.5°	9674
15°	9350
17.5°	8964
20°	8532
22.5°	8061
25°	7544
27.5°	6956
30°	6315
32.5°	5542
35°	4826
37.5°	4193
40°	3583
42.5°	2976
45°	2405
47.5°	1865
50°	1415
52.5°	1195
55°	958
57.5°	749
60°	628
62.5°	574
65°	539
67.5°	510
70°	470
72.5°	421
75°	364
77.5°	303
80°	242
82.5°	180
85°	119
87.5°	58
90°	0

(END OF REPORT)