

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: P1504541

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504541
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-46)
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-A-06-WHGL-PS (3500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

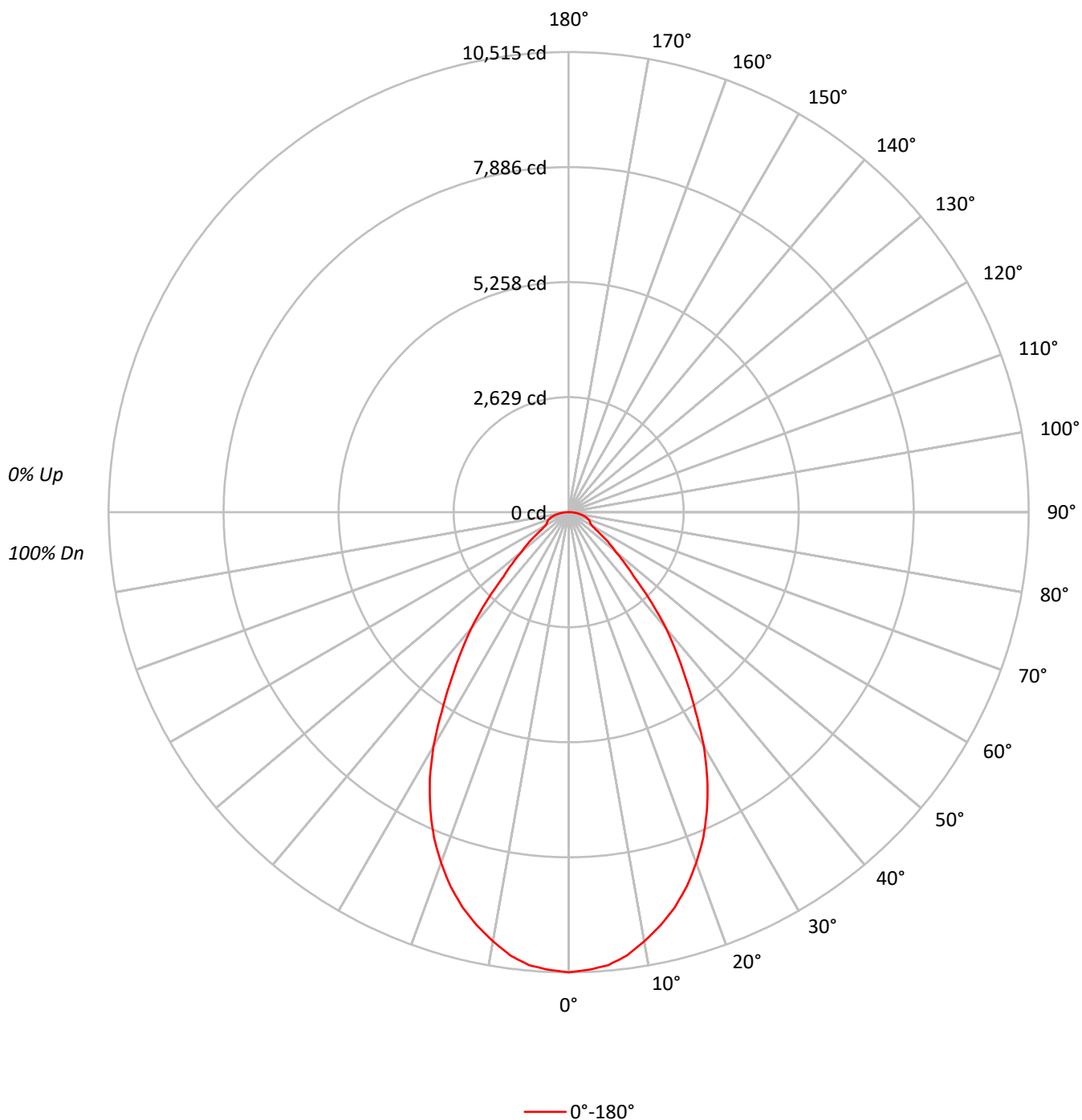
Lumens per Lamp: N/A
Luminaire Lumens: 13644.6 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 100.2
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	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	50		
8	71	60	53	48	70	59	53	48	58	52	48	57	52	48	56	51	47	46		
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42		
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	86375
5°	85658
10°	83028
15°	79532
20°	74549
25°	67851
30°	58590
35°	46951
40°	37102
45°	25128
50°	17904
55°	13305
60°	10087
65°	10496
70°	11576
75°	12283
80°	12630
85°	13007

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25128 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	977.7	7.2
10°-20°	2618.3	19.2
20°-30°	3410.2	25.0
30°-40°	2943.6	21.6
40°-50°	1751.4	12.8
50°-60°	853.1	6.3
60°-70°	538.5	3.9
70°-80°	403.7	3.0
80°-90°	148.2	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°	7006.3	51.3
0°-40°	9949.8	72.9
0°-60°	12554.3	92.0
0°-90°	13644.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13644.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10515	
5°	10388	978
15°	9352	2618
25°	7486	3410
35°	4682	2944
45°	2163	1751
55°	929	853
65°	540	538
75°	387	404
85°	138	148
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10515
2.5°	10466
5°	10388
7.5°	10217
10°	9954
12.5°	9674
15°	9352
17.5°	8969
20°	8528
22.5°	8041
25°	7486
27.5°	6866
30°	6177
32.5°	5396
35°	4682
37.5°	4057
40°	3460
42.5°	2809
45°	2163
47.5°	1757
50°	1401
52.5°	1176
55°	929
57.5°	723
60°	614
62.5°	569
65°	540
67.5°	516
70°	482
72.5°	439
75°	387
77.5°	329
80°	267
82.5°	204
85°	138
87.5°	69
90°	0

(END OF REPORT)