

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: P1504540

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504540
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-47)
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_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

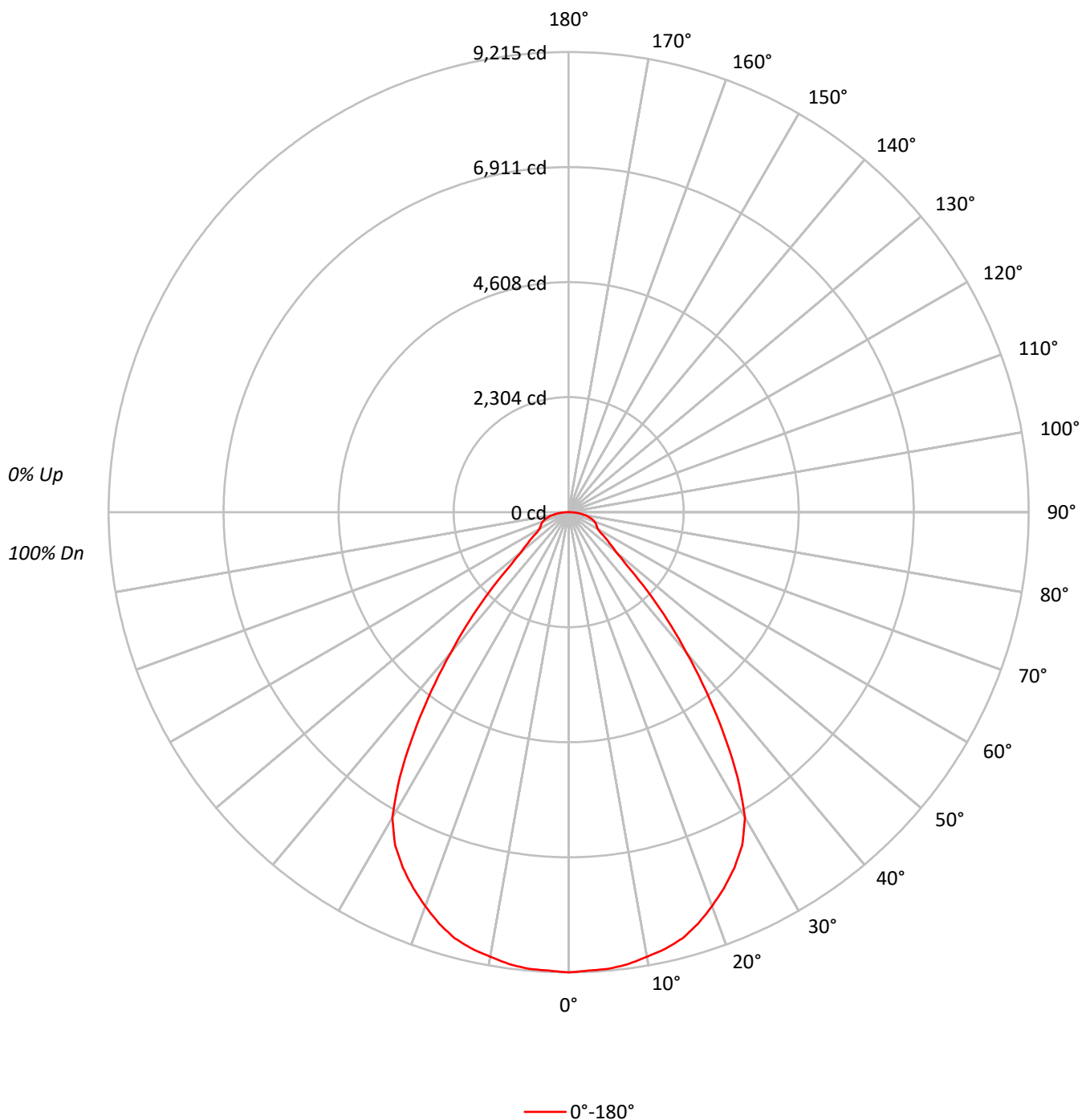
Lumens per Lamp: N/A
Luminaire Lumens: 14121.1 lumens
Efficiency: N/A
Efficacy: 140.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	67	61	71	65	61	70	64	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	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	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	45	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75696
5°	75680
10°	75413
15°	75101
20°	73395
25°	71195
30°	67004
35°	54201
40°	39386
45°	25720
50°	15910
55°	12818
60°	11040
65°	11876
70°	13234
75°	14314
80°	15232
85°	15551

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25720 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	871.7	6.2
10°-20°	2481.0	17.6
20°-30°	3598.4	25.5
30°-40°	3348.4	23.7
40°-50°	1751.1	12.4
50°-60°	815.4	5.8
60°-70°	606.6	4.3
70°-80°	470.5	3.3
80°-90°	178.0	1.3
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°	6951.1	49.2
0°-40°	10299.5	72.9
0°-60°	12866.0	91.1
0°-90°	14121.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14121.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9215	
5°	9178	872
15°	8831	2481
25°	7855	3598
35°	5405	3348
45°	2214	1751
55°	895	815
65°	611	607
75°	451	471
85°	165	178
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9215
2.5°	9190
5°	9178
7.5°	9128
10°	9041
12.5°	8955
15°	8831
17.5°	8636
20°	8396
22.5°	8140
25°	7855
27.5°	7523
30°	7064
32.5°	6294
35°	5405
37.5°	4522
40°	3673
42.5°	2931
45°	2214
47.5°	1579
50°	1245
52.5°	1048
55°	895
57.5°	756
60°	672
62.5°	639
65°	611
67.5°	586
70°	551
72.5°	505
75°	451
77.5°	390
80°	322
82.5°	246
85°	165
87.5°	82
90°	0

(END OF REPORT)