

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: P1504919

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504919
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 (5000K_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

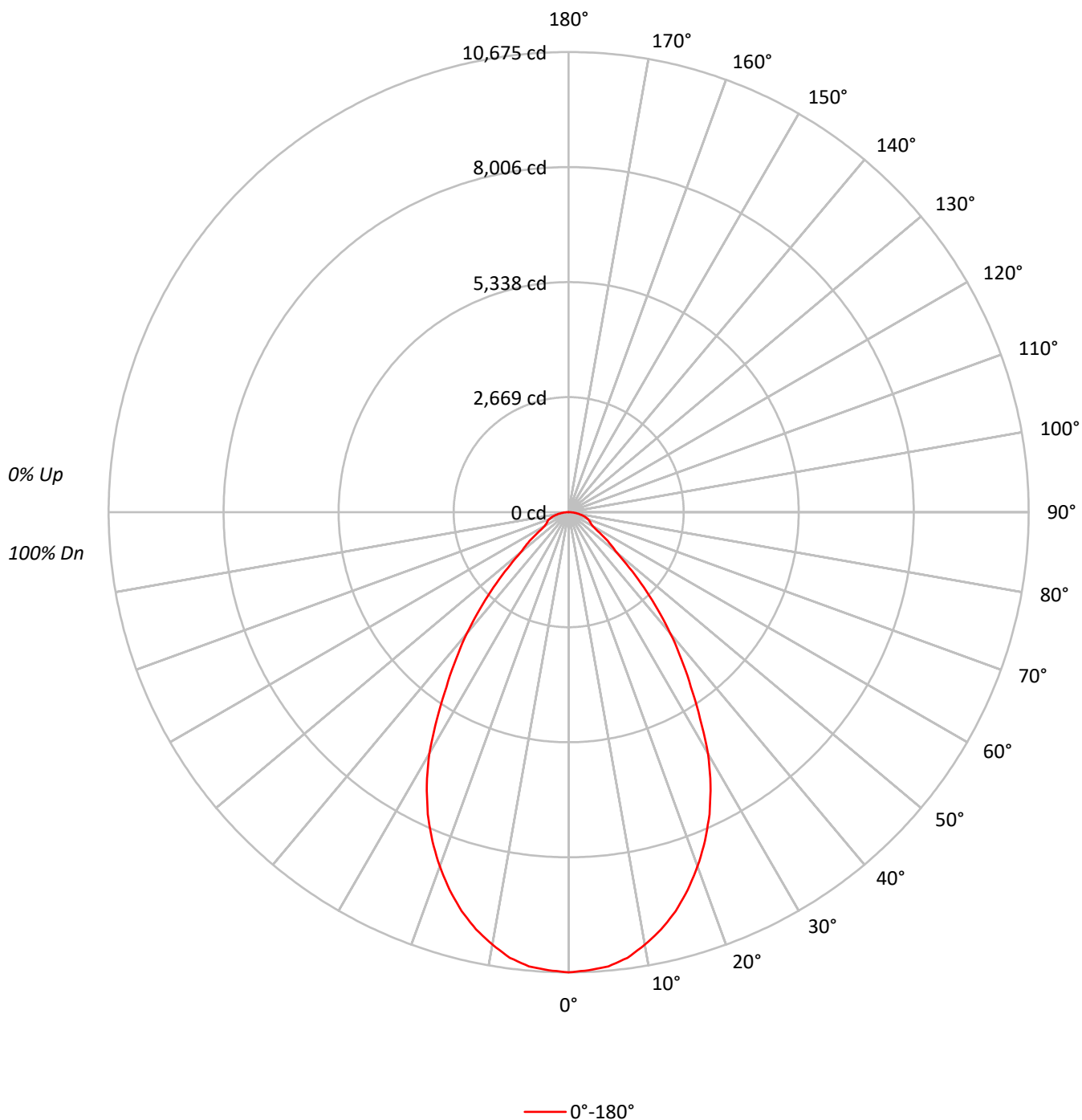
Lumens per Lamp: N/A
Luminaire Lumens: 14189.6 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 100.1
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°	86568
5°	86090
10°	83896
15°	80442
20°	75454
25°	69174
30°	60598
35°	48960
40°	38869
45°	28265
50°	18293
55°	13880
60°	10439
65°	10598
70°	11419
75°	11687
80°	11582
85°	11342

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28265 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	997.1	7.0
10°-20°	2682.4	18.9
20°-30°	3524.9	24.8
30°-40°	3105.8	21.9
40°-50°	1909.7	13.5
50°-60°	894.5	6.3
60°-70°	551.4	3.9
70°-80°	390.4	2.8
80°-90°	133.3	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°	7204.5	50.8
0°-40°	10310.3	72.7
0°-60°	13114.5	92.4
0°-90°	14189.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14189.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10675	
5°	10576	997
15°	9582	2682
25°	7731	3525
35°	4946	3106
45°	2465	1910
55°	982	894
65°	552	551
75°	373	390
85°	122	133
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10674.9
2.5°	10635.0
5°	10575.5
7.5°	10428.0
10°	10188.2
12.5°	9913.5
15°	9581.5
17.5°	9186.0
20°	8743.3
22.5°	8260.6
25°	7730.8
27.5°	7128.2
30°	6471.4
32.5°	5679.2
35°	4945.5
37.5°	4296.8
40°	3671.7
42.5°	3049.7
45°	2464.6
47.5°	1911.2
50°	1450.0
52.5°	1224.6
55°	981.7
57.5°	767.5
60°	643.6
62.5°	588.2
65°	552.3
67.5°	522.6
70°	481.6
72.5°	431.4
75°	373.0
77.5°	310.5
80°	248.0
82.5°	184.5
85°	121.9
87.5°	59.4
90°	0.0

(END OF REPORT)