

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: P1504918

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504918
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-59)
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_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

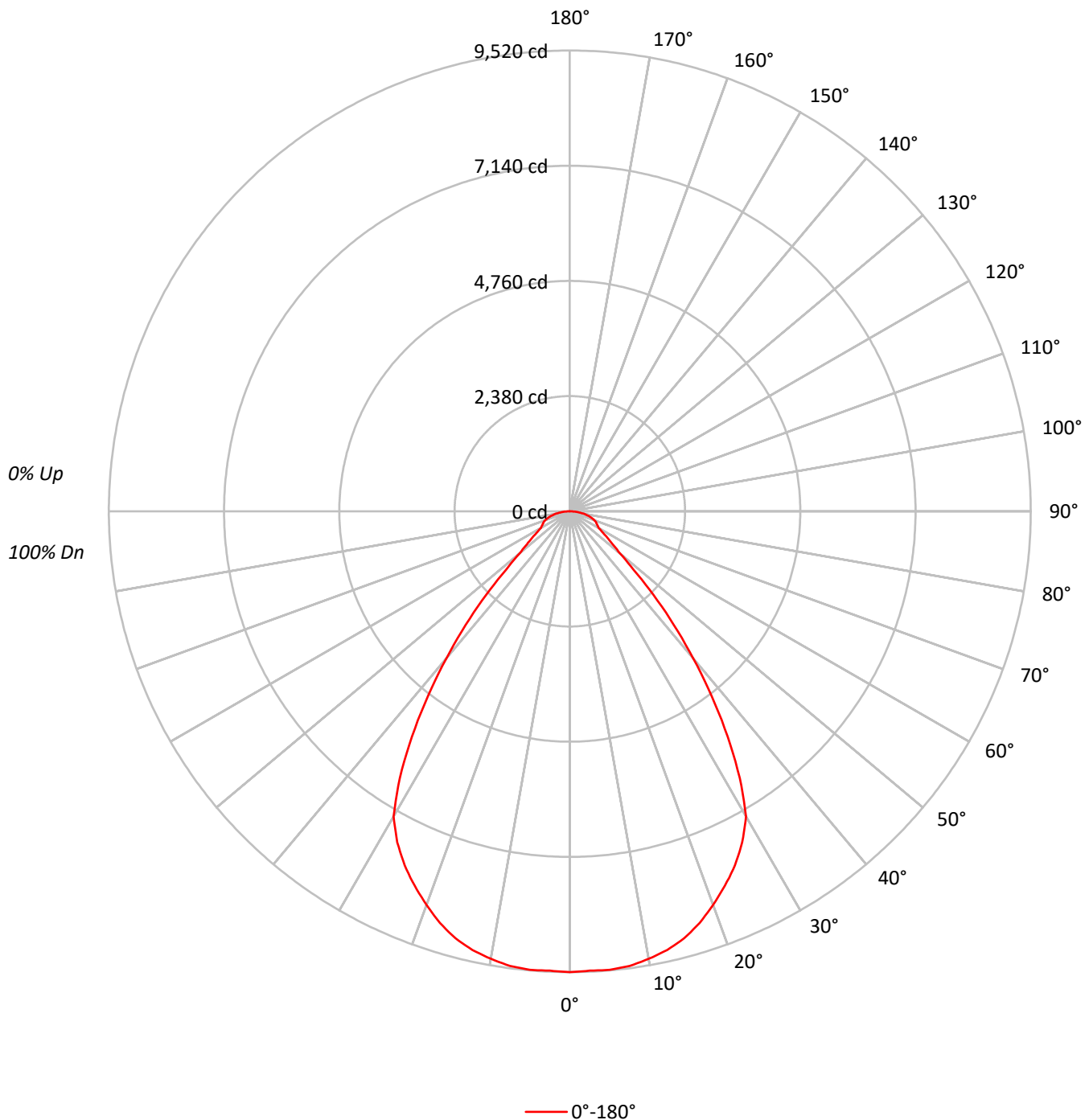
Lumens per Lamp: N/A
Luminaire Lumens: 14676.0 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.09
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	85	80	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64		
5	85	75	67	62	83	73	67	62	72	66	61	70	65	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	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	52	47	69	58	52	47	57	51	47	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	44	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77202
5°	77389
10°	77305
15°	76665
20°	74676
25°	72227
30°	68160
35°	56264
40°	41896
45°	27959
50°	17014
55°	13330
60°	11219
65°	11778
70°	12853
75°	13388
80°	13497
85°	13064

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27959 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	903.7	6.2
10°-20°	2565.6	17.5
20°-30°	3698.8	25.2
30°-40°	3516.0	24.0
40°-50°	1918.6	13.1
50°-60°	862.0	5.9
60°-70°	609.9	4.2
70°-80°	446.3	3.0
80°-90°	155.0	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°	7168.1	48.8
0°-40°	10684.1	72.8
0°-60°	13464.7	91.7
0°-90°	14676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14676.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9520	
5°	9507	904
15°	9132	2566
25°	8072	3699
35°	5683	3516
45°	2438	1919
55°	943	862
65°	614	610
75°	427	446
85°	140	155
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9520.0
2.5°	9498.5
5°	9506.7
7.5°	9472.9
10°	9387.8
12.5°	9284.3
15°	9131.6
17.5°	8916.4
20°	8653.1
22.5°	8372.3
25°	8072.0
27.5°	7712.4
30°	7278.9
32.5°	6532.9
35°	5683.3
37.5°	4815.4
40°	3957.6
42.5°	3178.8
45°	2437.9
47.5°	1786.2
50°	1348.6
52.5°	1111.9
55°	942.8
57.5°	793.2
60°	691.7
62.5°	647.6
65°	613.8
67.5°	583.1
70°	542.1
72.5°	487.8
75°	427.3
77.5°	360.7
80°	289.0
82.5°	216.2
85°	140.4
87.5°	68.7
90°	0.0

(END OF REPORT)