

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: P1504909

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (4000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504909
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 (4000K_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

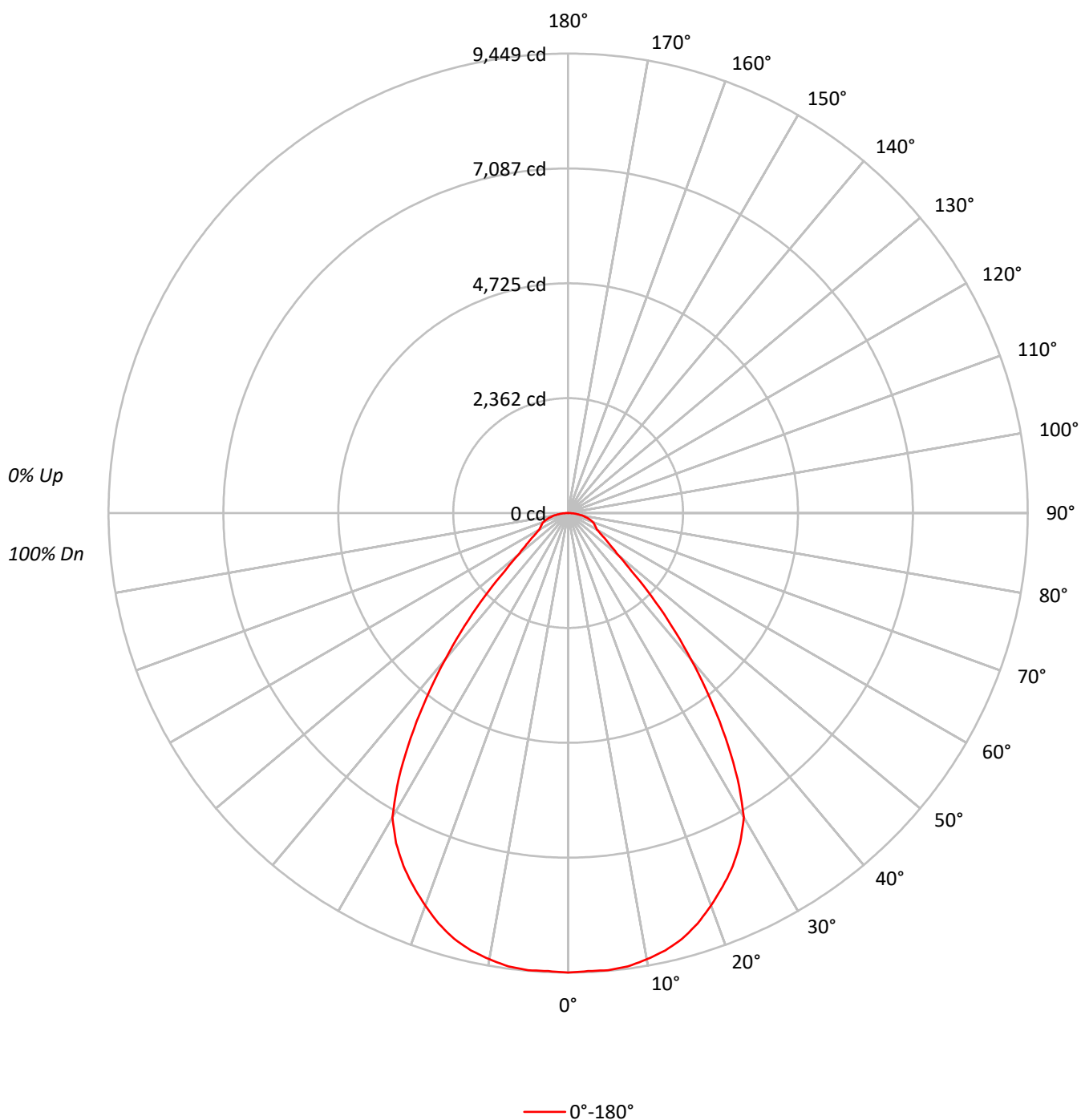
Lumens per Lamp: N/A
Luminaire Lumens: 14566.1 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.09
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 99.5
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°	76625
5°	76810
10°	76727
15°	76092
20°	74117
25°	71687
30°	67650
35°	55843
40°	41583
45°	27750
50°	16887
55°	13229
60°	11134
65°	11690
70°	12756
75°	13288
80°	13394
85°	12961

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27750 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	897.0	6.2
10°-20°	2546.4	17.5
20°-30°	3671.2	25.2
30°-40°	3489.6	24.0
40°-50°	1904.2	13.1
50°-60°	855.5	5.9
60°-70°	605.3	4.2
70°-80°	443.0	3.0
80°-90°	153.8	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°	7114.5	48.8
0°-40°	10604.2	72.8
0°-60°	13363.9	91.7
0°-90°	14566.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14566.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9449	
5°	9436	897
15°	9063	2546
25°	8012	3671
35°	5641	3490
45°	2420	1904
55°	936	855
65°	609	605
75°	424	443
85°	139	154
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9448.8
2.5°	9427.5
5°	9435.6
7.5°	9402.0
10°	9317.6
12.5°	9214.9
15°	9063.3
17.5°	8849.7
20°	8588.4
22.5°	8309.7
25°	8011.7
27.5°	7654.7
30°	7224.4
32.5°	6484.0
35°	5640.8
37.5°	4779.3
40°	3928.0
42.5°	3155.0
45°	2419.7
47.5°	1772.8
50°	1338.5
52.5°	1103.5
55°	935.7
57.5°	787.2
60°	686.5
62.5°	642.8
65°	609.2
67.5°	578.7
70°	538.0
72.5°	484.1
75°	424.1
77.5°	358.0
80°	286.8
82.5°	214.6
85°	139.3
87.5°	68.1
90°	0.0

(END OF REPORT)