

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: P1504893

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504893
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-60)
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 (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

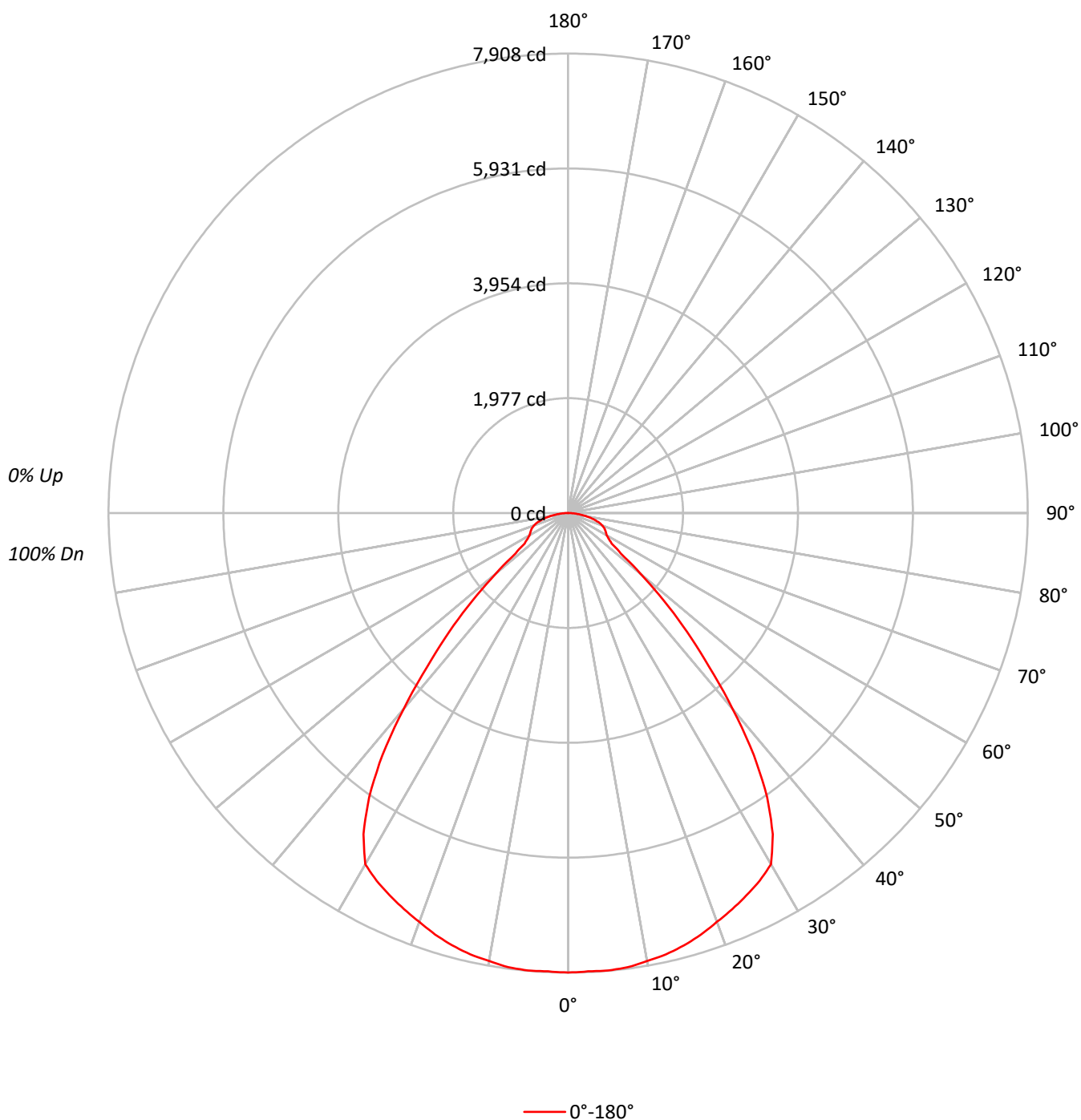
Lumens per Lamp: N/A
Luminaire Lumens: 14450.2 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 102.3
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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62		
5	83	73	65	59	82	72	64	59	70	63	59	68	62	58	66	61	57	56		
6	78	67	59	54	76	66	59	53	64	58	53	62	57	52	61	56	52	50		
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	57	51	47	46		
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42		
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64127
5°	64333
10°	64480
15°	64678
20°	64615
25°	64972
30°	65343
35°	59104
40°	46680
45°	33182
50°	20519
55°	12925
60°	12445
65°	13518
70°	14803
75°	15441
80°	14804
85°	13668

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33182 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	752.1	5.2
10°-20°	2174.0	15.0
20°-30°	3349.8	23.2
30°-40°	3653.7	25.3
40°-50°	2241.1	15.5
50°-60°	908.6	6.3
60°-70°	695.6	4.8
70°-80°	510.7	3.5
80°-90°	164.6	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°	6275.9	43.4
0°-40°	9929.6	68.7
0°-60°	13079.3	90.5
0°-90°	14450.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14450.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7908	
5°	7903	752
15°	7704	2174
25°	7261	3350
35°	5970	3654
45°	2893	2241
55°	914	909
65°	704	696
75°	493	511
85°	147	165
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7907.7
2.5°	7895.1
5°	7902.9
7.5°	7882.6
10°	7830.4
12.5°	7779.2
15°	7703.8
17.5°	7606.2
20°	7487.3
22.5°	7378.1
25°	7261.2
27.5°	7134.6
30°	6978.1
32.5°	6553.8
35°	5970.2
37.5°	5248.3
40°	4409.5
42.5°	3583.2
45°	2893.3
47.5°	2231.3
50°	1626.4
52.5°	1140.3
55°	914.2
57.5°	829.1
60°	767.3
62.5°	735.4
65°	704.5
67.5°	670.7
70°	624.3
72.5°	564.4
75°	492.8
77.5°	407.8
80°	317.0
82.5°	229.0
85°	146.9
87.5°	70.5
90°	0.0

(END OF REPORT)