

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: P1504560

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504560
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-48)
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 (5000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

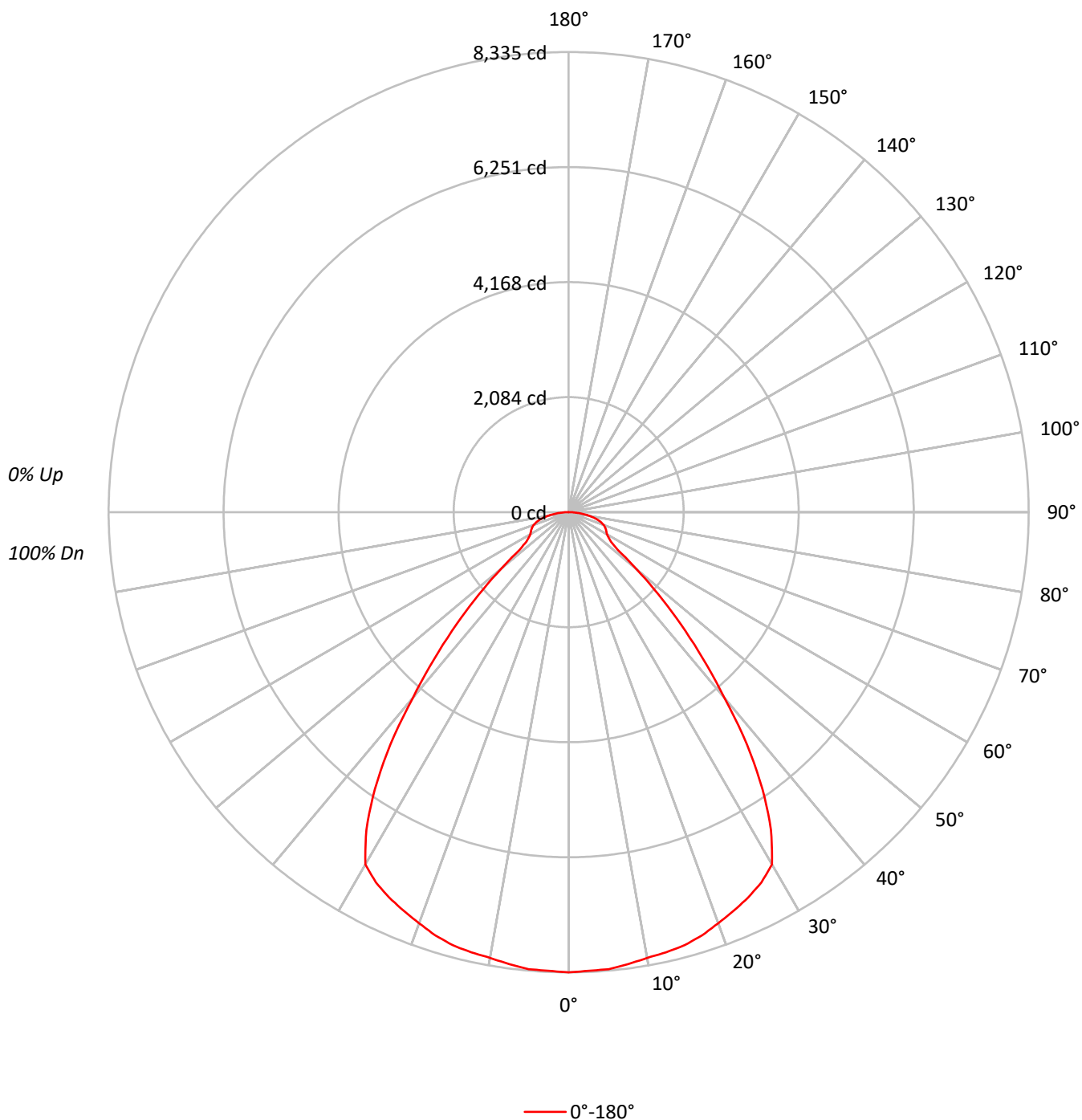
Lumens per Lamp: N/A
Luminaire Lumens: 15040.1 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	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	63	57	52	61	56	52	50		
7	73	61	54	49	72	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	65	53	45	41	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68471
5°	68513
10°	68374
15°	69048
20°	69264
25°	69781
30°	69898
35°	61400
40°	47120
45°	33357
50°	20391
55°	13488
60°	13148
65°	14481
70°	16195
75°	17596
80°	17938
85°	17097

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33357 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	789.0	5.2
10°-20°	2290.7	15.2
20°-30°	3547.5	23.6
30°-40°	3754.0	25.0
40°-50°	2230.0	14.8
50°-60°	917.1	6.1
60°-70°	736.3	4.9
70°-80°	574.3	3.8
80°-90°	201.0	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°	6627.3	44.1
0°-40°	10381.3	69.0
0°-60°	13528.5	89.9
0°-90°	15040.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15040.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8335	
5°	8309	789
15°	8119	2291
25°	7699	3548
35°	6123	3754
45°	2871	2230
55°	942	917
65°	745	736
75°	554	574
85°	181	201
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8335.4
2.5°	8313.9
5°	8308.8
7.5°	8255.5
10°	8197.1
12.5°	8164.3
15°	8119.2
17.5°	8035.2
20°	7923.5
22.5°	7814.8
25°	7699.0
27.5°	7559.7
30°	7369.1
32.5°	6823.9
35°	6122.9
37.5°	5308.3
40°	4394.2
42.5°	3596.9
45°	2871.4
47.5°	2207.3
50°	1595.6
52.5°	1118.0
55°	941.8
57.5°	857.7
60°	800.3
62.5°	772.7
65°	745.0
67.5°	715.3
70°	674.3
72.5°	620.0
75°	554.4
77.5°	474.5
80°	379.2
82.5°	279.8
85°	181.4
87.5°	88.1
90°	0.0

(END OF REPORT)