

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: P1504531

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504531
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-47)
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 (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

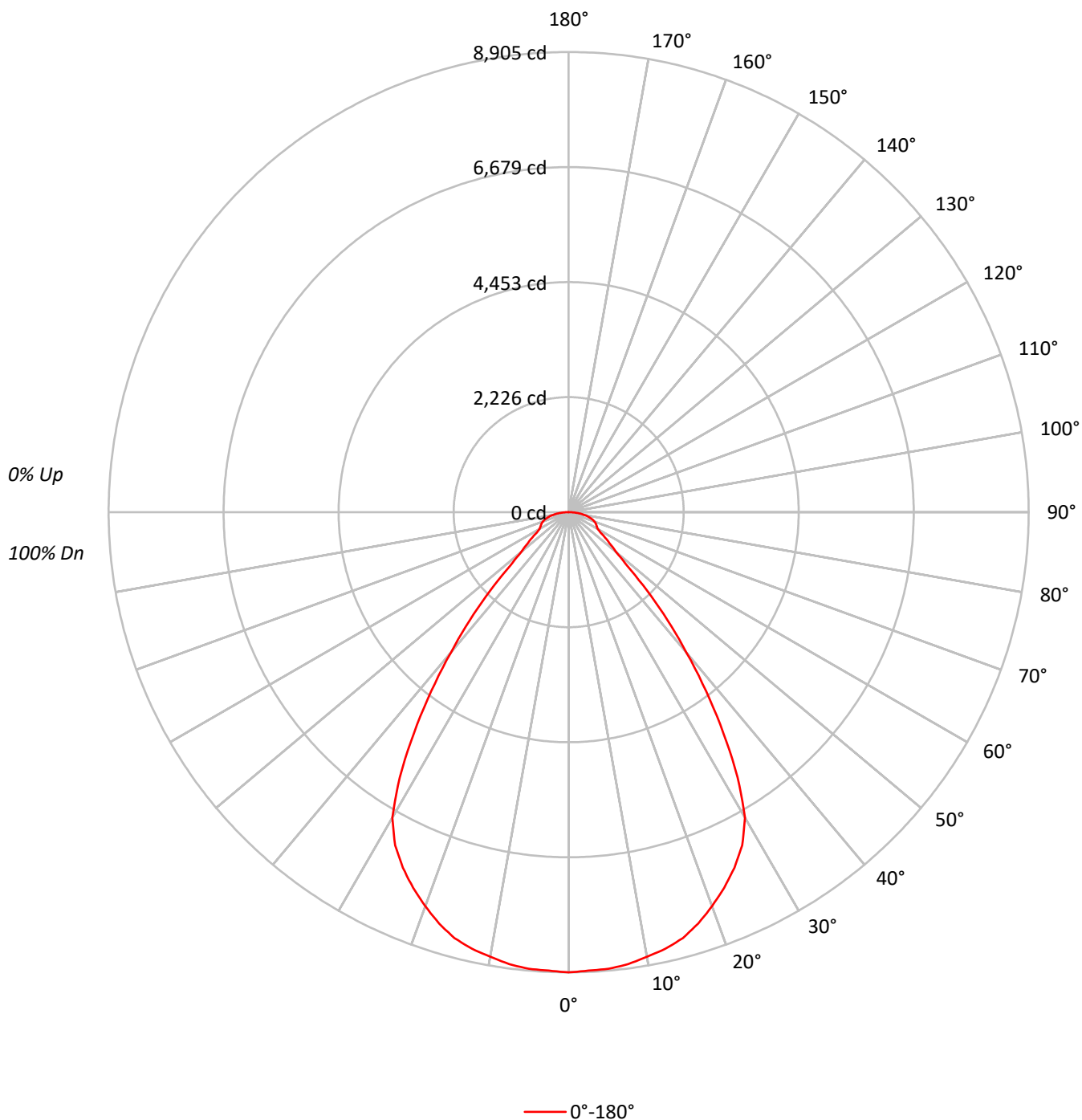
Lumens per Lamp: N/A
Luminaire Lumens: 13646.0 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	67	61	71	65	61	70	64	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	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	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	45	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73150
5°	73134
10°	72875
15°	72574
20°	70925
25°	68800
30°	64749
35°	52378
40°	38061
45°	24855
50°	15375
55°	12387
60°	10669
65°	11476
70°	12789
75°	13832
80°	14721
85°	15024

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24855 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	842.4	6.2
10°-20°	2397.6	17.6
20°-30°	3477.3	25.5
30°-40°	3235.7	23.7
40°-50°	1692.2	12.4
50°-60°	787.9	5.8
60°-70°	586.2	4.3
70°-80°	454.7	3.3
80°-90°	172.0	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°	6717.3	49.2
0°-40°	9953.0	72.9
0°-60°	12433.1	91.1
0°-90°	13646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13646.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8905	
5°	8869	842
15°	8534	2398
25°	7591	3477
35°	5223	3236
45°	2140	1692
55°	865	788
65°	590	586
75°	436	455
85°	159	172
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8905.0
2.5°	8880.8
5°	8869.2
7.5°	8820.9
10°	8736.8
12.5°	8653.7
15°	8533.9
17.5°	8345.5
20°	8113.5
22.5°	7866.1
25°	7590.7
27.5°	7269.9
30°	6826.3
32.5°	6082.2
35°	5223.2
37.5°	4369.9
40°	3549.4
42.5°	2832.4
45°	2139.5
47.5°	1525.9
50°	1203.1
52.5°	1012.7
55°	864.9
57.5°	730.6
60°	649.4
62.5°	617.5
65°	590.4
67.5°	566.3
70°	532.5
72.5°	488.0
75°	435.8
77.5°	376.9
80°	311.2
82.5°	237.7
85°	159.4
87.5°	79.2
90°	0.0

(END OF REPORT)