

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: P1504550

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504550
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-46)
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 (4000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

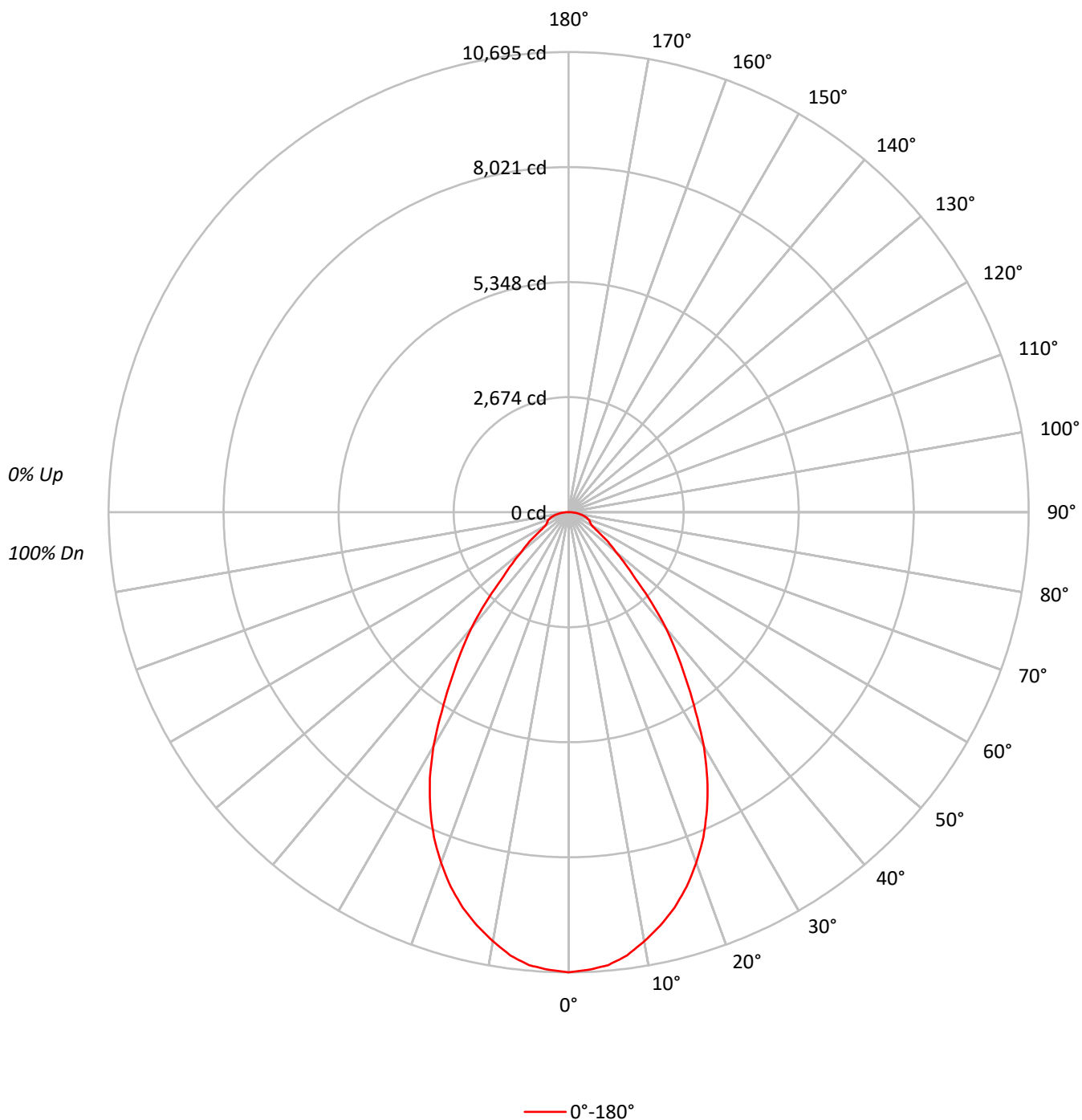
Lumens per Lamp: N/A
Luminaire Lumens: 13877.9 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	50		
8	71	60	53	48	70	59	53	48	58	52	48	57	52	48	56	51	47	46		
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42		
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	87852
5°	87122
10°	84448
15°	80891
20°	75823
25°	69011
30°	59592
35°	47753
40°	37737
45°	25557
50°	18211
55°	13532
60°	10260
65°	10675
70°	11773
75°	12492
80°	12848
85°	13233

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25557 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	994.5	7.2
10°-20°	2663.1	19.2
20°-30°	3468.5	25.0
30°-40°	2993.9	21.6
40°-50°	1781.3	12.8
50°-60°	867.7	6.3
60°-70°	547.7	3.9
70°-80°	410.6	3.0
80°-90°	150.7	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°	7126.1	51.3
0°-40°	10119.9	72.9
0°-60°	12769.0	92.0
0°-90°	13877.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13877.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10695	
5°	10566	994
15°	9512	2663
25°	7614	3469
35°	4762	2994
45°	2200	1781
55°	945	868
65°	549	548
75°	394	411
85°	140	151
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10694.8
2.5°	10644.9
5°	10565.6
7.5°	10391.7
10°	10124.2
12.5°	9839.4
15°	9511.9
17.5°	9122.3
20°	8673.8
22.5°	8178.5
25°	7614.0
27.5°	6983.4
30°	6282.6
32.5°	5488.3
35°	4762.0
37.5°	4126.4
40°	3519.2
42.5°	2857.0
45°	2200.0
47.5°	1787.0
50°	1425.0
52.5°	1196.1
55°	944.9
57.5°	735.4
60°	624.5
62.5°	578.7
65°	549.2
67.5°	524.8
70°	490.2
72.5°	446.5
75°	393.6
77.5°	334.6
80°	271.6
82.5°	207.5
85°	140.4
87.5°	70.2
90°	0.0

(END OF REPORT)