

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: P1504423

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504423
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-41)
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-BLAK-PS (5000K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

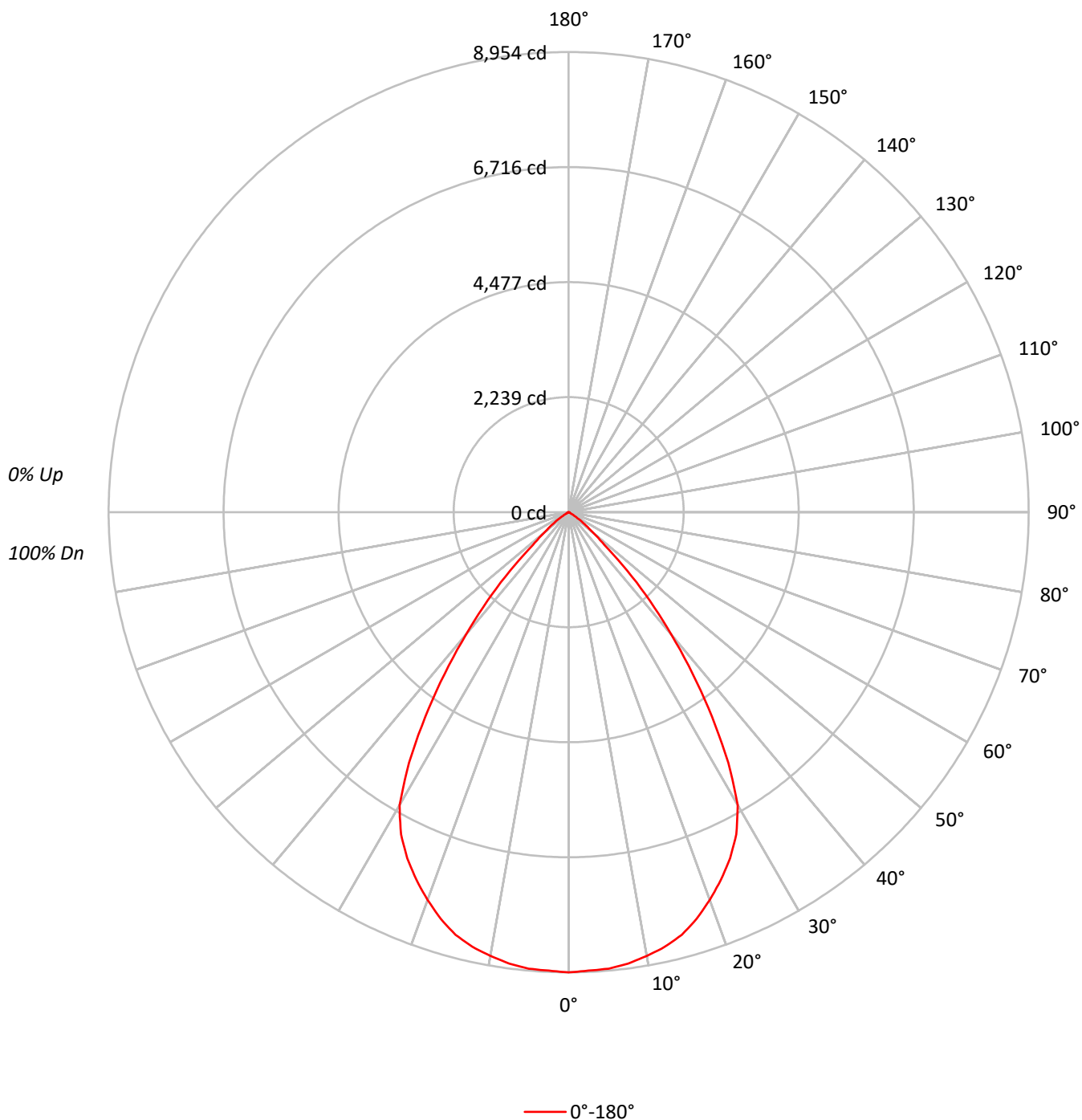
Lumens per Lamp: N/A
Luminaire Lumens: 11237.6 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1504423

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L16_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504423

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L16_Medium_120V)

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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93							
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85							
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78							
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71							
5	90	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66							
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60							
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56							
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	56	53	52							
9	71	61	54	50	70	60	54	50	59	54	50	58	53	49	57	53	49	48							
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73556
5°	73523
10°	73117
15°	72386
20°	70160
25°	67338
30°	62422
35°	48781
40°	33296
45°	18666
50°	8028
55°	3801
60°	927
65°	459
70°	516
75°	552
80°	582
85°	575

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18666 cd/sqm

TEST NUMBER: P1504423

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L16_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	846.3	7.5
10°-20°	2389.0	21.3
20°-30°	3399.5	30.3
30°-40°	3011.6	26.8
40°-50°	1281.5	11.4
50°-60°	255.2	2.3
60°-70°	29.3	0.3
70°-80°	18.3	0.2
80°-90°	7.0	0.1
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°	6634.7	59.0
0°-40°	9646.4	85.8
0°-60°	11183.0	99.5
0°-90°	11237.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11237.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8954	
5°	8916	846
15°	8512	2389
25°	7430	3399
35°	4864	3012
45°	1607	1281
55°	265	255
65°	24	29
75°	17	18
85°	6	7
90°	0	

TEST NUMBER: P1504423

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L16_Medium_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	8954.4
2.5°	8927.7
5°	8916.4
7.5°	8861.1
10°	8765.8
12.5°	8661.3
15°	8511.7
17.5°	8292.4
20°	8025.9
22.5°	7744.1
25°	7429.5
27.5°	7065.7
30°	6581.0
32.5°	5778.6
35°	4864.5
37.5°	3965.8
40°	3105.0
42.5°	2340.6
45°	1606.8
47.5°	946.9
50°	628.2
52.5°	422.2
55°	265.4
57.5°	130.1
60°	56.4
62.5°	33.8
65°	23.6
67.5°	22.5
70°	21.5
72.5°	19.5
75°	17.4
77.5°	15.4
80°	12.3
82.5°	10.2
85°	6.1
87.5°	3.1
90°	0.0

(END OF REPORT)