

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: P1504399

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504399
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 (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

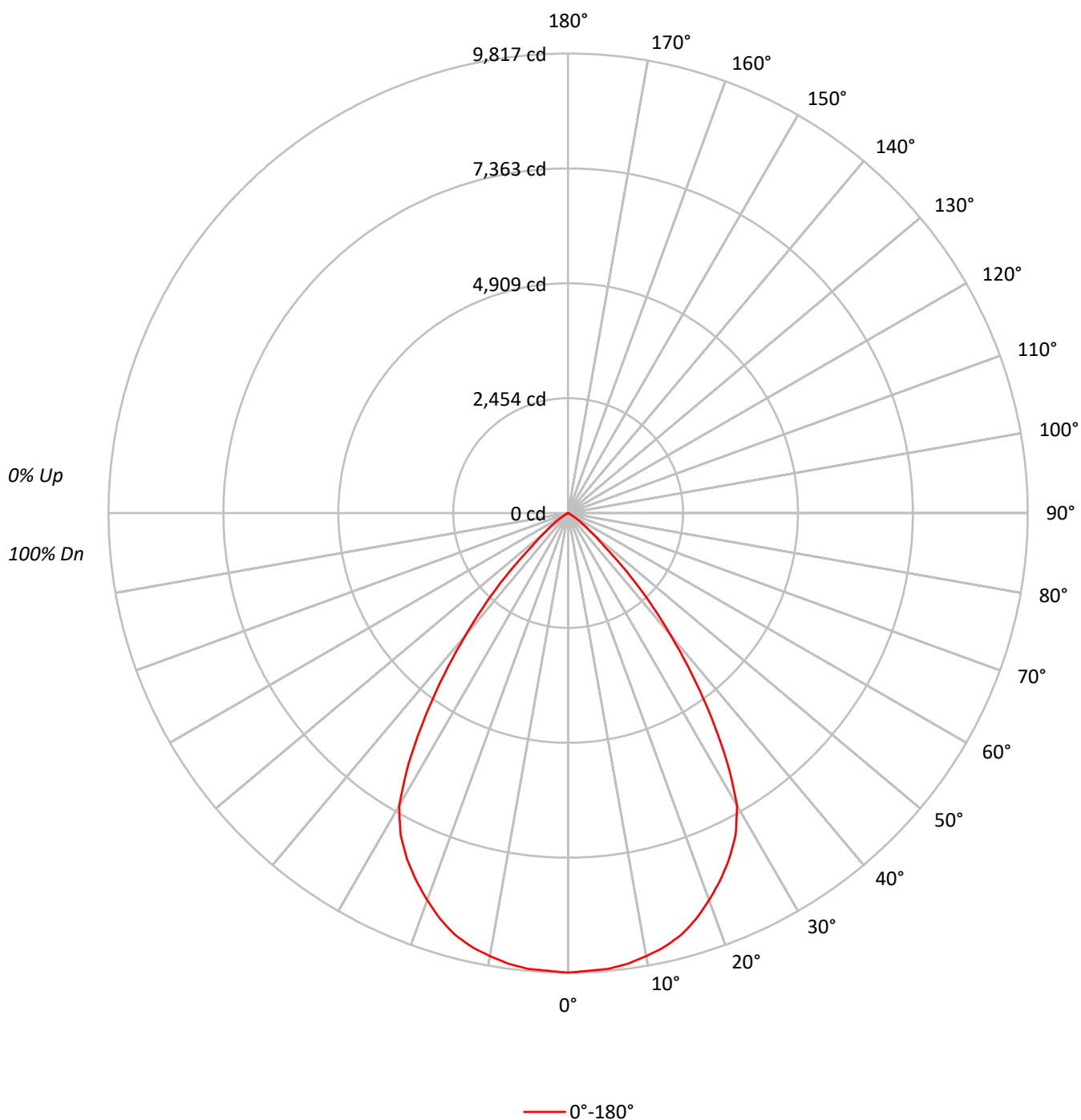
Lumens per Lamp: N/A
Luminaire Lumens: 12320.1 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 122.9
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: P1504399

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_L18_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504399

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_L18_Medium_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	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	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°	80641
5°	80606
10°	80160
15°	79358
20°	76919
25°	73825
30°	68436
35°	53480
40°	36503
45°	20465
50°	8801
55°	4168
60°	1015
65°	501
70°	567
75°	606
80°	639
85°	631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20465 cd/sqm

TEST NUMBER: P1504399

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_L18_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	927.8	7.5
10°-20°	2619.1	21.3
20°-30°	3727.0	30.3
30°-40°	3301.8	26.8
40°-50°	1404.9	11.4
50°-60°	279.8	2.3
60°-70°	32.1	0.3
70°-80°	20.0	0.2
80°-90°	7.6	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°	7273.9	59.0
0°-40°	10575.6	85.8
0°-60°	12260.4	99.5
0°-90°	12320.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12320.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9817	
5°	9775	928
15°	9332	2619
25°	8145	3727
35°	5333	3302
45°	1762	1405
55°	291	280
65°	26	32
75°	19	20
85°	7	8
90°	0	

TEST NUMBER: P1504399

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_L18_Medium_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	9816.9
2.5°	9787.7
5°	9775.4
7.5°	9714.7
10°	9610.2
12.5°	9495.6
15°	9331.6
17.5°	9091.2
20°	8799.1
22.5°	8490.1
25°	8145.2
27.5°	7746.4
30°	7215.0
32.5°	6335.3
35°	5333.1
37.5°	4347.9
40°	3404.1
42.5°	2566.0
45°	1761.6
47.5°	1038.1
50°	688.7
52.5°	462.9
55°	291.0
57.5°	142.7
60°	61.8
62.5°	37.1
65°	25.8
67.5°	24.7
70°	23.6
72.5°	21.3
75°	19.1
77.5°	16.9
80°	13.5
82.5°	11.2
85°	6.7
87.5°	3.4
90°	0.0

(END OF REPORT)