

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: P1504420

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504420
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_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

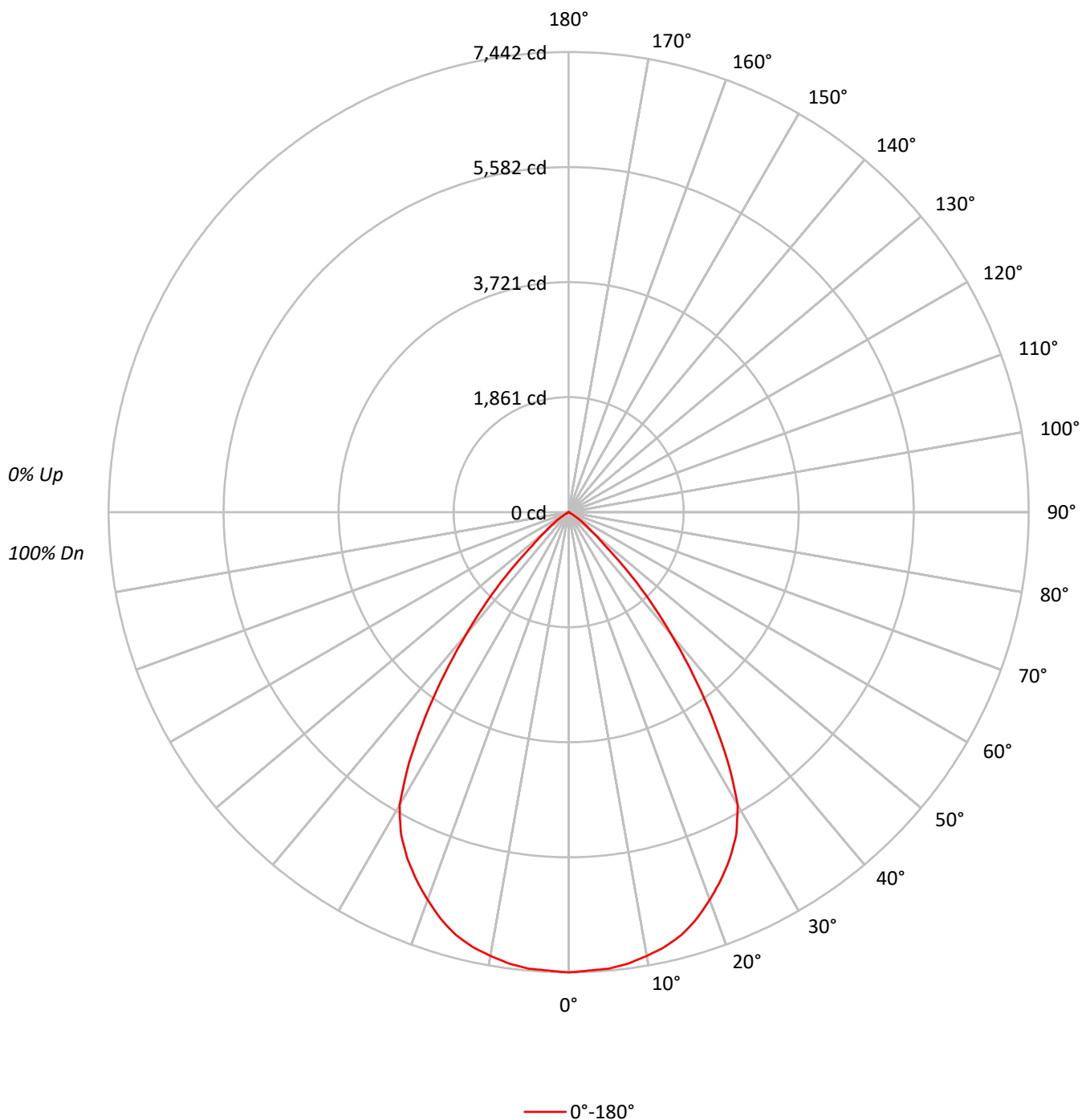
Lumens per Lamp: N/A
Luminaire Lumens: 9339.7 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 81.1
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: P1504420

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L12_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504420

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L12_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	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°	61133
5°	61106
10°	60768
15°	60160
20°	58310
25°	55965
30°	51880
35°	40543
40°	27672
45°	15513
50°	6672
55°	3159
60°	769
65°	381
70°	430
75°	460
80°	483
85°	481

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15513 cd/sqm

TEST NUMBER: P1504420

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L12_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	703.3	7.5
10°-20°	1985.5	21.3
20°-30°	2825.4	30.3
30°-40°	2503.0	26.8
40°-50°	1065.0	11.4
50°-60°	212.1	2.3
60°-70°	24.3	0.3
70°-80°	15.2	0.2
80°-90°	5.8	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°	5514.2	59.0
0°-40°	8017.2	85.8
0°-60°	9294.4	99.5
0°-90°	9339.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9339.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7442	
5°	7410	703
15°	7074	1985
25°	6175	2825
35°	4043	2503
45°	1335	1065
55°	221	212
65°	20	24
75°	14	15
85°	5	6
90°	0	

TEST NUMBER: P1504420

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	7442.1
2.5°	7419.9
5°	7410.5
7.5°	7364.6
10°	7285.3
12.5°	7198.5
15°	7074.1
17.5°	6891.9
20°	6670.4
22.5°	6436.2
25°	6174.7
27.5°	5872.4
30°	5469.5
32.5°	4802.7
35°	4043.0
37.5°	3296.0
40°	2580.6
42.5°	1945.3
45°	1335.4
47.5°	787.0
50°	522.1
52.5°	350.9
55°	220.6
57.5°	108.2
60°	46.8
62.5°	28.1
65°	19.6
67.5°	18.7
70°	17.9
72.5°	16.2
75°	14.5
77.5°	12.8
80°	10.2
82.5°	8.5
85°	5.1
87.5°	2.6
90°	0.0

(END OF REPORT)