

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: P1504410

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504410
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-42)
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 (3500K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

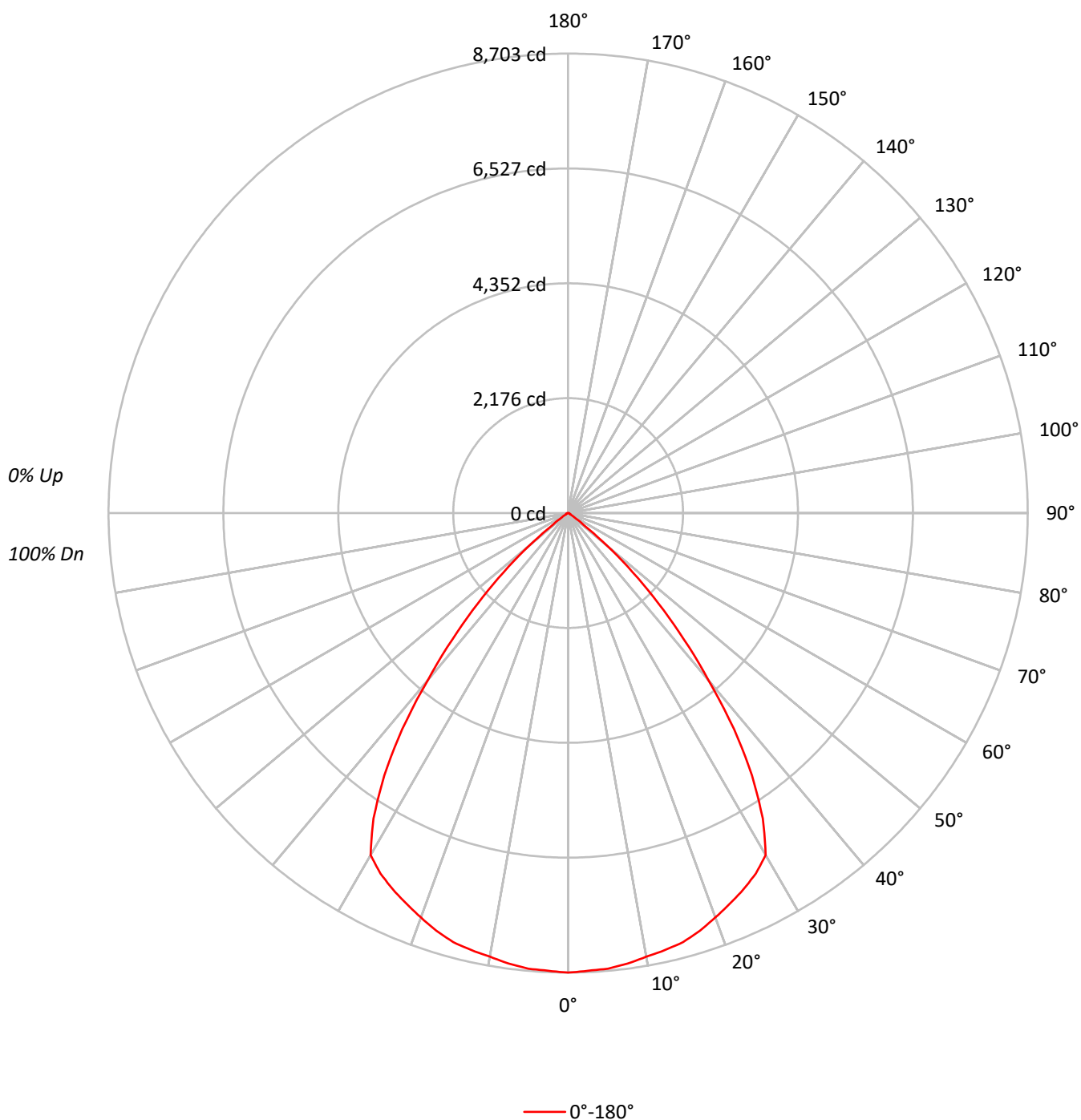
Lumens per Lamp: N/A
Luminaire Lumens: 12730.7 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 120.7
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: P1504410

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L18_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504410

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L18_Wide_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	110	108	105	103	104	102	100	100	98	97	96	95	94	92								
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84								
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77								
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71	70								
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64								
6	83	73	66	61	82	72	66	61	71	65	61	69	64	60	68	63	60	58								
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53								
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49								
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45								
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71490
5°	71418
10°	71175
15°	71535
20°	71261
25°	71256
30°	70945
35°	60855
40°	44394
45°	28075
50°	12270
55°	2503
60°	881
65°	634
70°	728
75°	778
80°	771
85°	773

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28075 cd/sqm

TEST NUMBER: P1504410

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	822.4	6.5
10°-20°	2370.5	18.6
20°-30°	3622.3	28.5
30°-40°	3711.6	29.2
40°-50°	1877.2	14.7
50°-60°	256.0	2.0
60°-70°	36.3	0.3
70°-80°	25.5	0.2
80°-90°	8.9	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°	6815.2	53.5
0°-40°	10526.8	82.7
0°-60°	12659.9	99.4
0°-90°	12730.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12730.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8703	
5°	8661	822
15°	8412	2371
25°	7862	3622
35°	6068	3712
45°	2417	1877
55°	175	256
65°	33	36
75°	24	26
85°	8	9
90°	0	

TEST NUMBER: P1504410

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	8703.0
2.5°	8676.2
5°	8661.1
7.5°	8605.1
10°	8532.9
12.5°	8477.0
15°	8411.7
17.5°	8295.2
20°	8151.9
22.5°	8007.4
25°	7861.7
27.5°	7695.1
30°	7479.5
32.5°	6857.3
35°	6068.5
37.5°	5159.6
40°	4140.0
42.5°	3242.8
45°	2416.7
47.5°	1659.3
50°	960.1
52.5°	388.0
55°	174.8
57.5°	101.4
60°	53.6
62.5°	40.8
65°	32.6
67.5°	31.5
70°	30.3
72.5°	28.0
75°	24.5
77.5°	21.0
80°	16.3
82.5°	12.8
85°	8.2
87.5°	3.5
90°	0.0

(END OF REPORT)