

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: P1504436

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504436
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-40)
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 (6500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

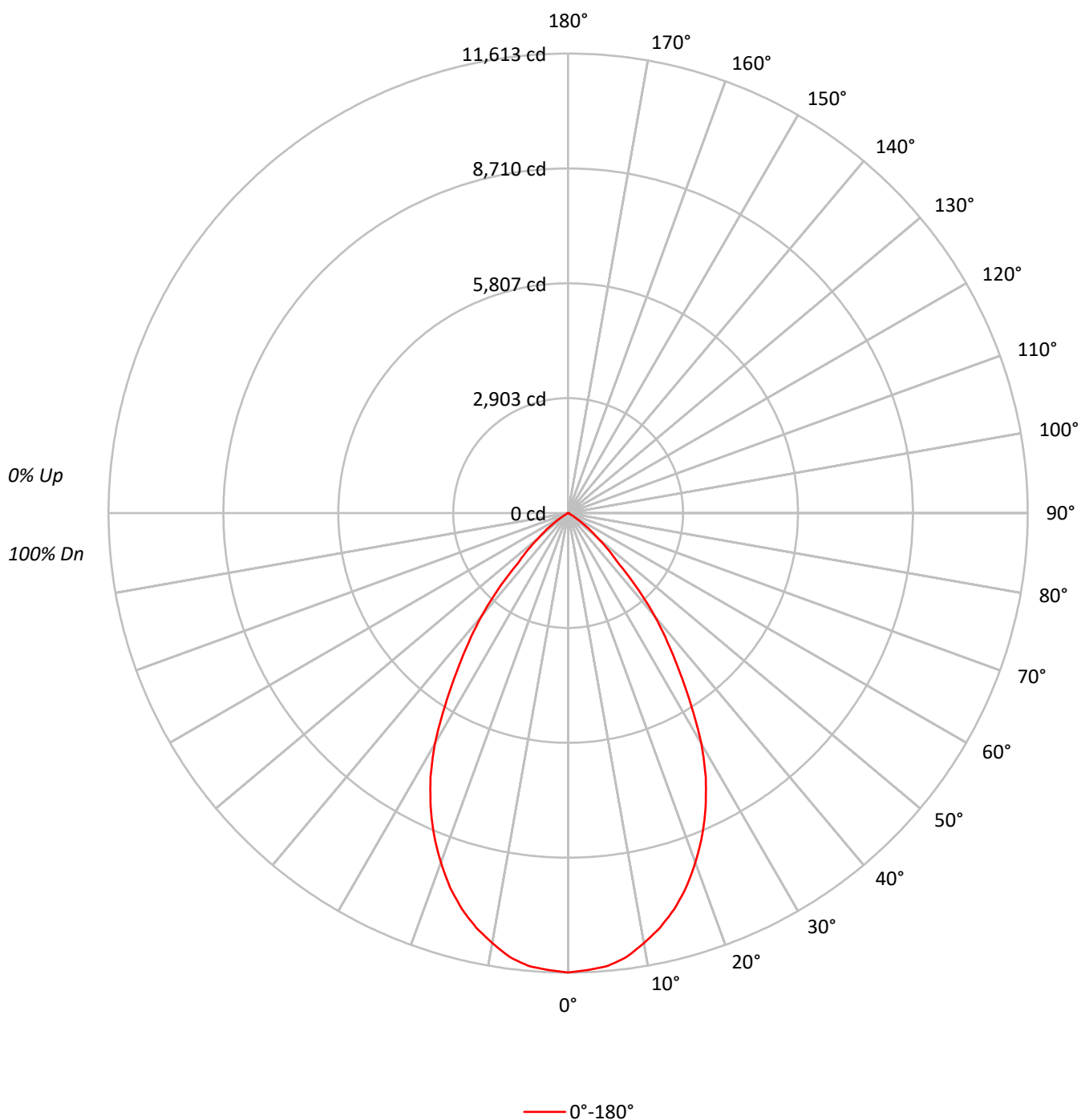
Lumens per Lamp: N/A
Luminaire Lumens: 12785.4 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 123.3
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: P1504436

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K_L18_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504436

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K_L18_Narrow_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	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	106	103	104	102	100	100	99	97	97	96	94	93		
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85		
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56		
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49		
10	68	58	51	47	67	57	51	47	56	51	47	56	50	47	55	50	47	45		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95391
5°	94740
10°	92058
15°	88122
20°	82162
25°	74482
30°	63914
35°	49338
40°	36468
45°	21055
50°	12038
55°	5796
60°	1254
65°	457
70°	507
75°	559
80°	553
85°	556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21055 cd/sqm

TEST NUMBER: P1504436

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K_L18_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1082.3	8.5
10°-20°	2898.2	22.7
20°-30°	3742.7	29.3
30°-40°	3089.0	24.2
40°-50°	1523.4	11.9
50°-60°	392.0	3.1
60°-70°	32.8	0.3
70°-80°	18.3	0.1
80°-90°	6.7	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°	7723.2	60.4
0°-40°	10812.2	84.6
0°-60°	12727.6	99.5
0°-90°	12785.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12785.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11613	
5°	11489	###
15°	10362	2898
25°	8218	3743
35°	4920	3089
45°	1812	1523
55°	405	392
65°	24	33
75°	18	18
85°	6	7
90°	0	

TEST NUMBER: P1504436

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	11612.6
2.5°	11558.6
5°	11489.4
7.5°	11317.0
10°	11036.6
12.5°	10730.4
15°	10362.1
17.5°	9918.6
20°	9398.9
22.5°	8839.4
25°	8217.6
27.5°	7527.8
30°	6738.3
32.5°	5797.5
35°	4920.0
37.5°	4141.1
40°	3400.8
42.5°	2637.1
45°	1812.4
47.5°	1383.1
50°	942.0
52.5°	686.3
55°	404.7
57.5°	183.0
60°	76.3
62.5°	38.7
65°	23.5
67.5°	22.3
70°	21.1
72.5°	19.9
75°	17.6
77.5°	15.3
80°	11.7
82.5°	9.4
85°	5.9
87.5°	3.5
90°	0.0

(END OF REPORT)