

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: P1504256

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504256
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-16)
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-04-BLAK-PS (6500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

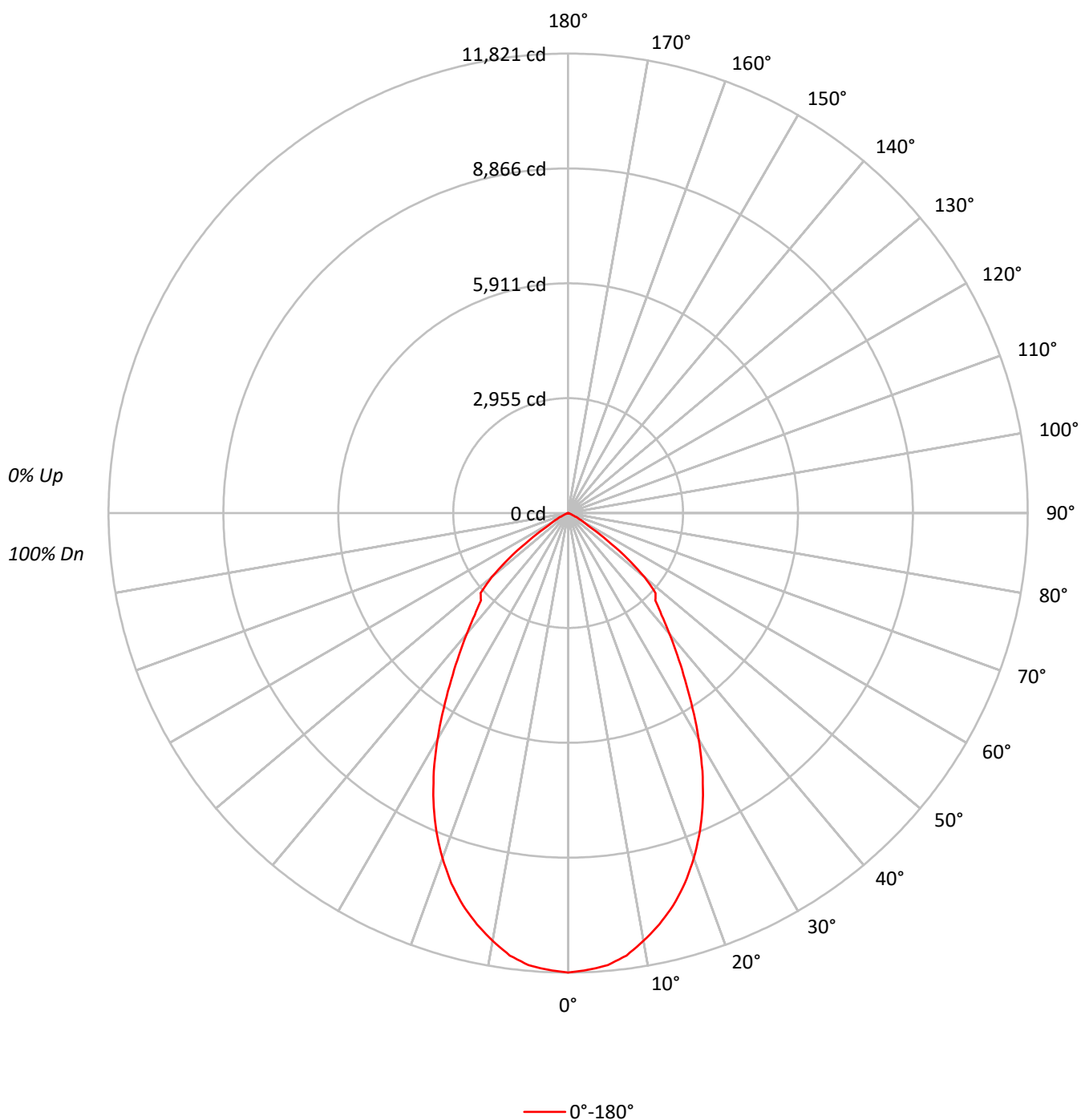
Lumens per Lamp: N/A
Luminaire Lumens: 14933.9 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.98
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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: P1504256

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L18_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504256

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51		
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47		
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44		
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	107964
5°	107032
10°	103634
15°	98784
20°	91827
25°	82572
30°	70776
35°	58398
40°	48293
45°	40970
50°	36386
55°	19389
60°	7993
65°	3321
70°	876
75°	332
80°	431
85°	493

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 41264 cd/sqm

TEST NUMBER: P1504256

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L18_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1098.6	7.4
10°-20°	2922.0	19.6
20°-30°	3736.4	25.0
30°-40°	3294.0	22.1
40°-50°	2519.0	16.9
50°-60°	1163.4	7.8
60°-70°	182.1	1.2
70°-80°	13.7	0.1
80°-90°	4.6	0.0
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°	7757.0	51.9
0°-40°	11051.0	74.0
0°-60°	14733.4	98.7
0°-90°	14933.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14933.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11821	
5°	11675	###
15°	10448	2922
25°	8194	3736
35°	5238	3294
45°	3172	2519
55°	1218	1163
65°	154	182
75°	9	14
85°	5	5
90°	0	

TEST NUMBER: P1504256

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	11821.4
2.5°	11762.7
5°	11674.8
7.5°	11481.2
10°	11175.0
12.5°	10836.0
15°	10447.7
17.5°	9986.7
20°	9448.2
22.5°	8859.3
25°	8194.1
27.5°	7477.4
30°	6711.3
32.5°	5953.5
35°	5237.9
37.5°	4610.3
40°	4050.7
42.5°	3551.0
45°	3172.1
47.5°	3052.4
50°	2560.9
52.5°	1927.4
55°	1217.7
57.5°	631.1
60°	437.6
62.5°	279.2
65°	153.7
67.5°	76.3
70°	32.8
72.5°	12.9
75°	9.4
77.5°	9.4
80°	8.2
82.5°	5.9
85°	4.7
87.5°	2.3
90°	0.0

(END OF REPORT)