

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: P1504761

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504761
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-54)
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-B-06-BLAK-PS (3000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

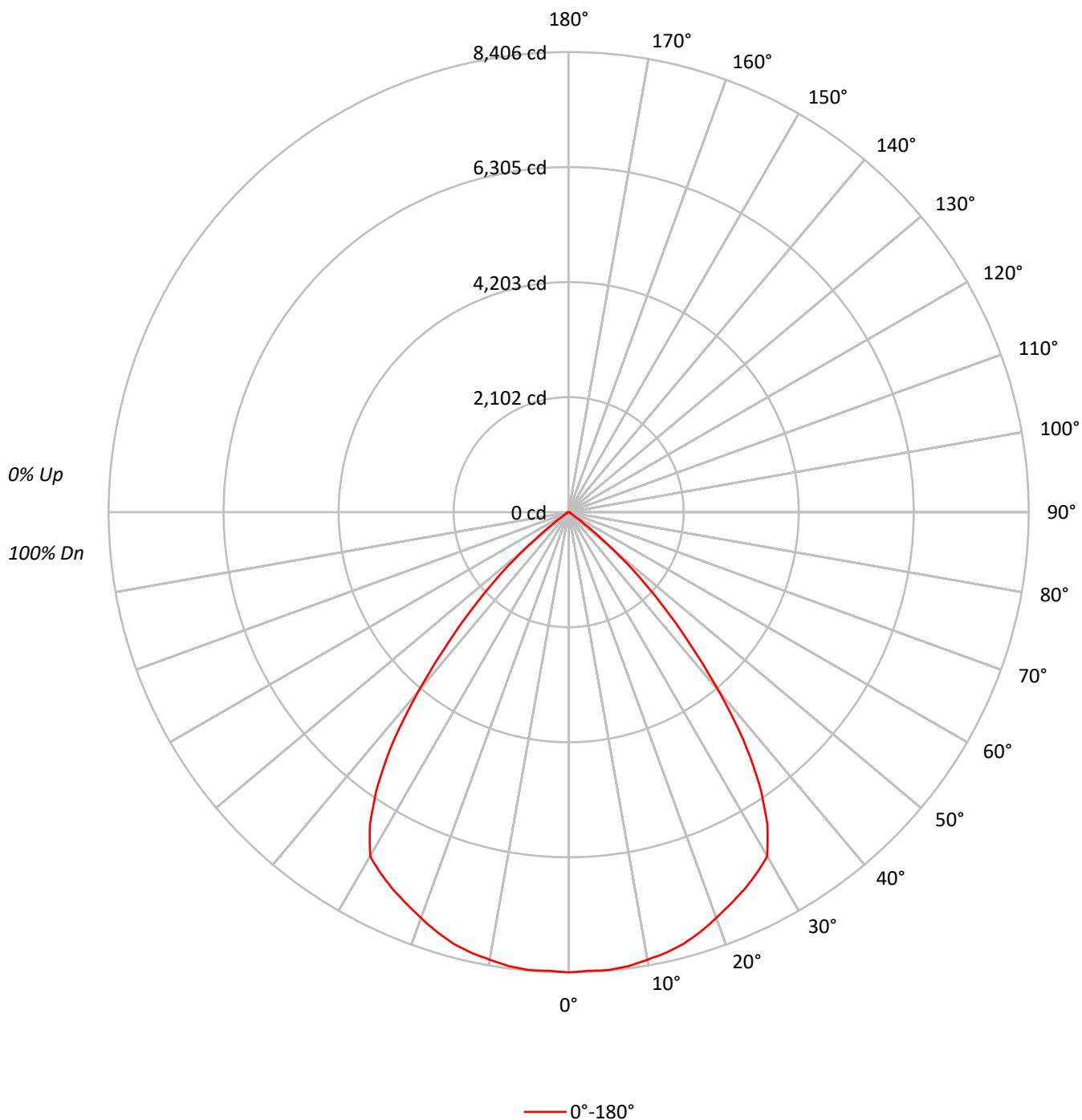
Lumens per Lamp: N/A
Luminaire Lumens: 12599.9 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.16
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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: P1504761

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K_L18_Wide_120V)

Luminous Intensity Polar Plot



CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K_L18_Wide_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	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92			
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84			
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76			
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69			
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63			
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58			
7	78	67	60	56	76	67	60	56	65	59	55	64	59	55	63	58	55	53			
8	73	63	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49			
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45			
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68168
5°	68345
10°	68349
15°	68478
20°	68063
25°	68006
30°	67940
35°	60182
40°	45147
45°	28591
50°	13083
55°	2621
60°	965
65°	668
70°	692
75°	705
80°	682
85°	623

MAXIMUM LUMINANCE 45°-90°:

Luminance: 28591 cd/sqm

TEST NUMBER: P1504761

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.3	6.3
10°-20°	2298.8	18.2
20°-30°	3503.8	27.8
30°-40°	3708.1	29.4
40°-50°	1938.9	15.4
50°-60°	283.1	2.2
60°-70°	38.1	0.3
70°-80°	23.3	0.2
80°-90°	7.5	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°	6600.9	52.4
0°-40°	10308.9	81.8
0°-60°	12531.0	99.5
0°-90°	12599.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12599.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8406	
5°	8396	798
15°	8156	2299
25°	7600	3504
35°	6079	3708
45°	2493	1939
55°	185	283
65°	35	38
75°	22	23
85°	7	7
90°	0	

TEST NUMBER: P1504761

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	8405.9
2.5°	8385.6
5°	8395.7
7.5°	8365.4
10°	8300.2
12.5°	8241.8
15°	8156.4
17.5°	8031.7
20°	7886.8
22.5°	7740.8
25°	7600.3
27.5°	7439.7
30°	7255.4
32.5°	6760.0
35°	6079.1
37.5°	5245.5
40°	4264.7
42.5°	3313.1
45°	2493.0
47.5°	1732.4
50°	1037.0
52.5°	450.5
55°	185.4
57.5°	111.2
60°	59.5
62.5°	43.8
65°	34.8
67.5°	31.5
70°	29.2
72.5°	25.8
75°	22.5
77.5°	18.0
80°	14.6
82.5°	10.1
85°	6.7
87.5°	3.4
90°	0.0

(END OF REPORT)