

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: P1504792

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504792
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-53)
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 (6500K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

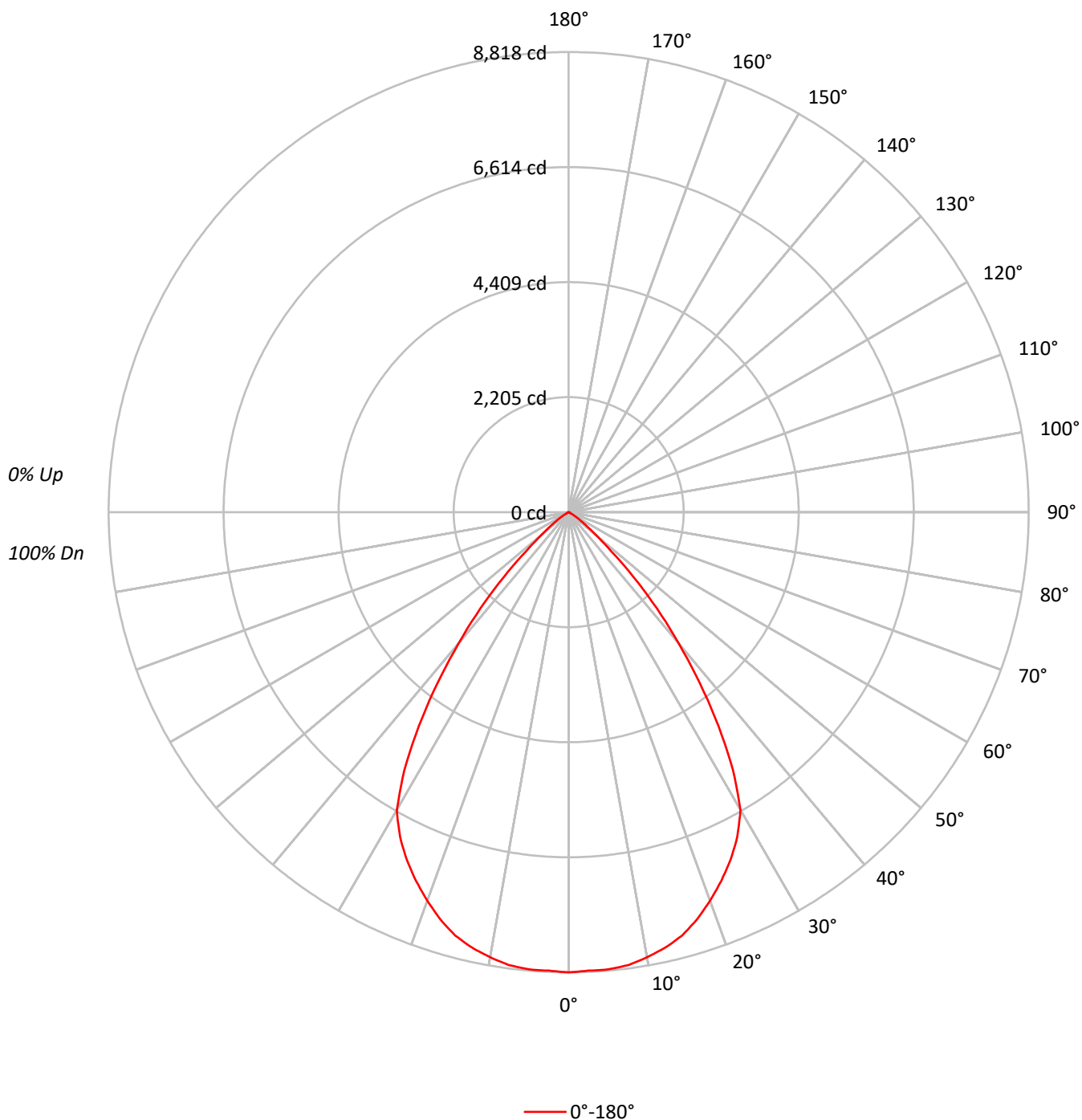
Lumens per Lamp: N/A
Luminaire Lumens: 11368.2 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 102.5
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: P1504792

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504792

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Medium_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	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	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92							
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85							
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78							
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71							
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65							
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60							
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55							
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51							
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47							
10	67	56	50	46	66	56	50	46	55	50	46	54	49	45	54	49	45	44							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71509
5°	71592
10°	71320
15°	70513
20°	68366
25°	65730
30°	61677
35°	49572
40°	34650
45°	20249
50°	8520
55°	3964
60°	1067
65°	505
70°	529
75°	539
80°	518
85°	568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20249 cd/sqm

TEST NUMBER: P1504792

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.3	7.3
10°-20°	2357.9	20.7
20°-30°	3366.8	29.6
30°-40°	3087.4	27.2
40°-50°	1392.9	12.3
50°-60°	270.8	2.4
60°-70°	32.8	0.3
70°-80°	17.8	0.2
80°-90°	6.5	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°	6560.0	57.7
0°-40°	9647.4	84.9
0°-60°	11311.1	99.5
0°-90°	11368.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11368.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8818	
5°	8795	835
15°	8399	2358
25°	7346	3367
35°	5007	3087
45°	1766	1393
55°	280	271
65°	26	33
75°	17	18
85°	6	6
90°	0	

TEST NUMBER: P1504792

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L16_Medium_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	8817.9
2.5°	8793.6
5°	8794.6
7.5°	8754.1
10°	8661.0
12.5°	8549.6
15°	8398.8
17.5°	8182.1
20°	7921.9
22.5°	7645.6
25°	7345.9
27.5°	7003.7
30°	6586.6
32.5°	5856.7
35°	5007.3
37.5°	4127.5
40°	3273.1
42.5°	2500.6
45°	1765.6
47.5°	1100.5
50°	675.3
52.5°	432.3
55°	280.4
57.5°	146.8
60°	65.8
62.5°	38.5
65°	26.3
67.5°	24.3
70°	22.3
72.5°	19.2
75°	17.2
77.5°	14.2
80°	11.1
82.5°	9.1
85°	6.1
87.5°	3.0
90°	0.0

(END OF REPORT)