

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: P1504897

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504897
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-59)
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-WHGL-PS (3500K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

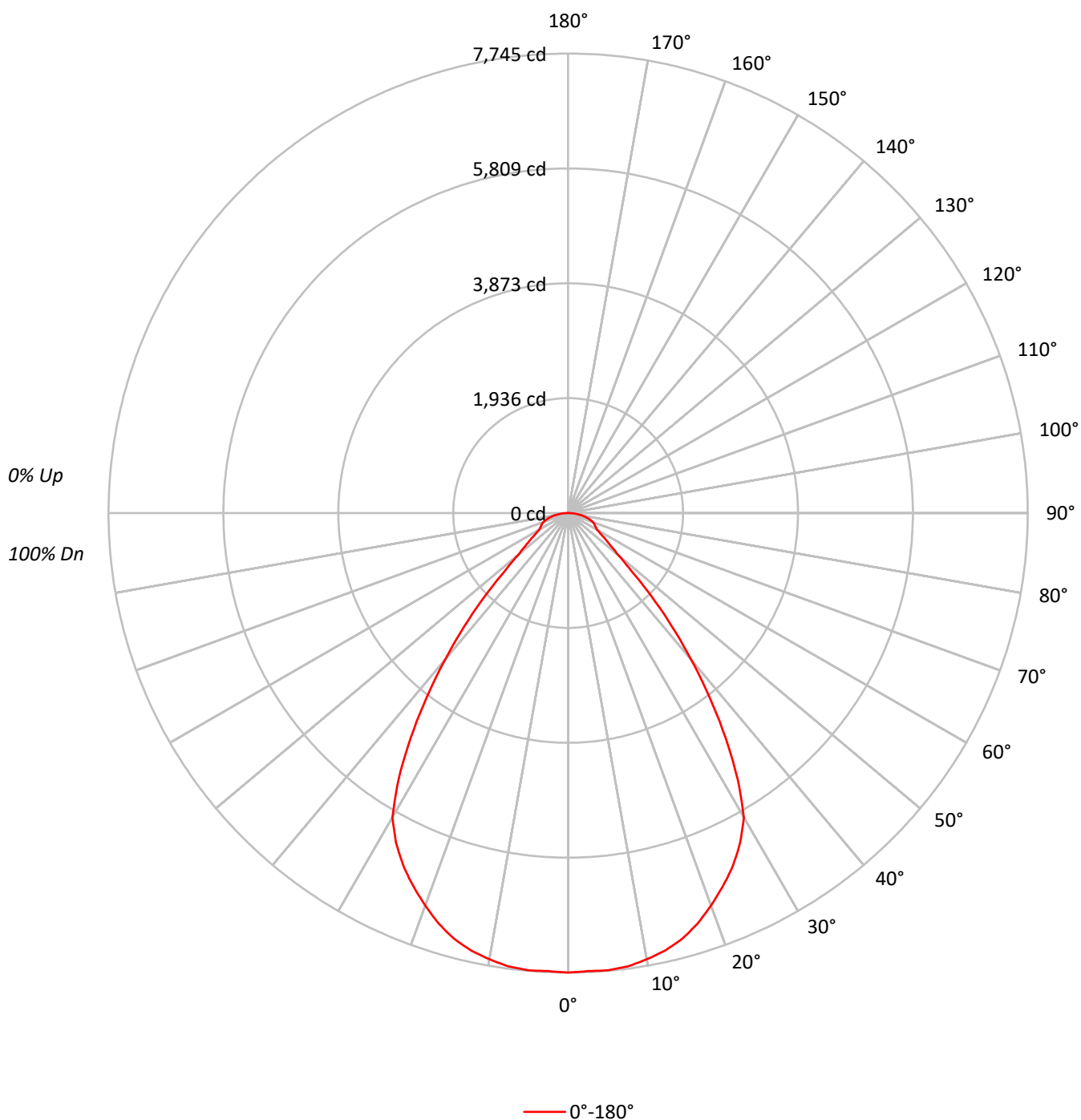
Lumens per Lamp: N/A
Luminaire Lumens: 11939.7 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.09
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
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

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Luminous Intensity Polar Plot





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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	111	108	104	101	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	85	80	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64		
5	85	75	67	62	83	73	67	62	72	66	61	70	65	60	68	63	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	52	47	69	58	52	47	57	51	47	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	63	51	44	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62808
5°	62960
10°	62892
15°	62371
20°	60752
25°	58760
30°	55451
35°	45774
40°	34084
45°	22747
50°	13841
55°	10844
60°	9126
65°	9583
70°	10456
75°	10894
80°	10979
85°	10626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22747 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	735.2	6.2
10°-20°	2087.3	17.5
20°-30°	3009.2	25.2
30°-40°	2860.4	24.0
40°-50°	1560.9	13.1
50°-60°	701.3	5.9
60°-70°	496.2	4.2
70°-80°	363.1	3.0
80°-90°	126.1	1.1
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°	5831.6	48.8
0°-40°	8692.0	72.8
0°-60°	10954.2	91.7
0°-90°	11939.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11939.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7745	
5°	7734	735
15°	7429	2087
25°	6567	3009
35°	4624	2860
45°	1983	1561
55°	767	701
65°	499	496
75°	348	363
85°	114	126
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7745.0
2.5°	7727.5
5°	7734.2
7.5°	7706.7
10°	7637.5
12.5°	7553.3
15°	7429.1
17.5°	7254.0
20°	7039.7
22.5°	6811.3
25°	6567.0
27.5°	6274.4
30°	5921.7
32.5°	5314.8
35°	4623.7
37.5°	3917.5
40°	3219.7
42.5°	2586.1
45°	1983.4
47.5°	1453.1
50°	1097.1
52.5°	904.6
55°	767.0
57.5°	645.3
60°	562.7
62.5°	526.9
65°	499.4
67.5°	474.4
70°	441.0
72.5°	396.8
75°	347.7
77.5°	293.5
80°	235.1
82.5°	175.9
85°	114.2
87.5°	55.9
90°	0.0

(END OF REPORT)