

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: P1504908

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504908
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-60)
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 (4000K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

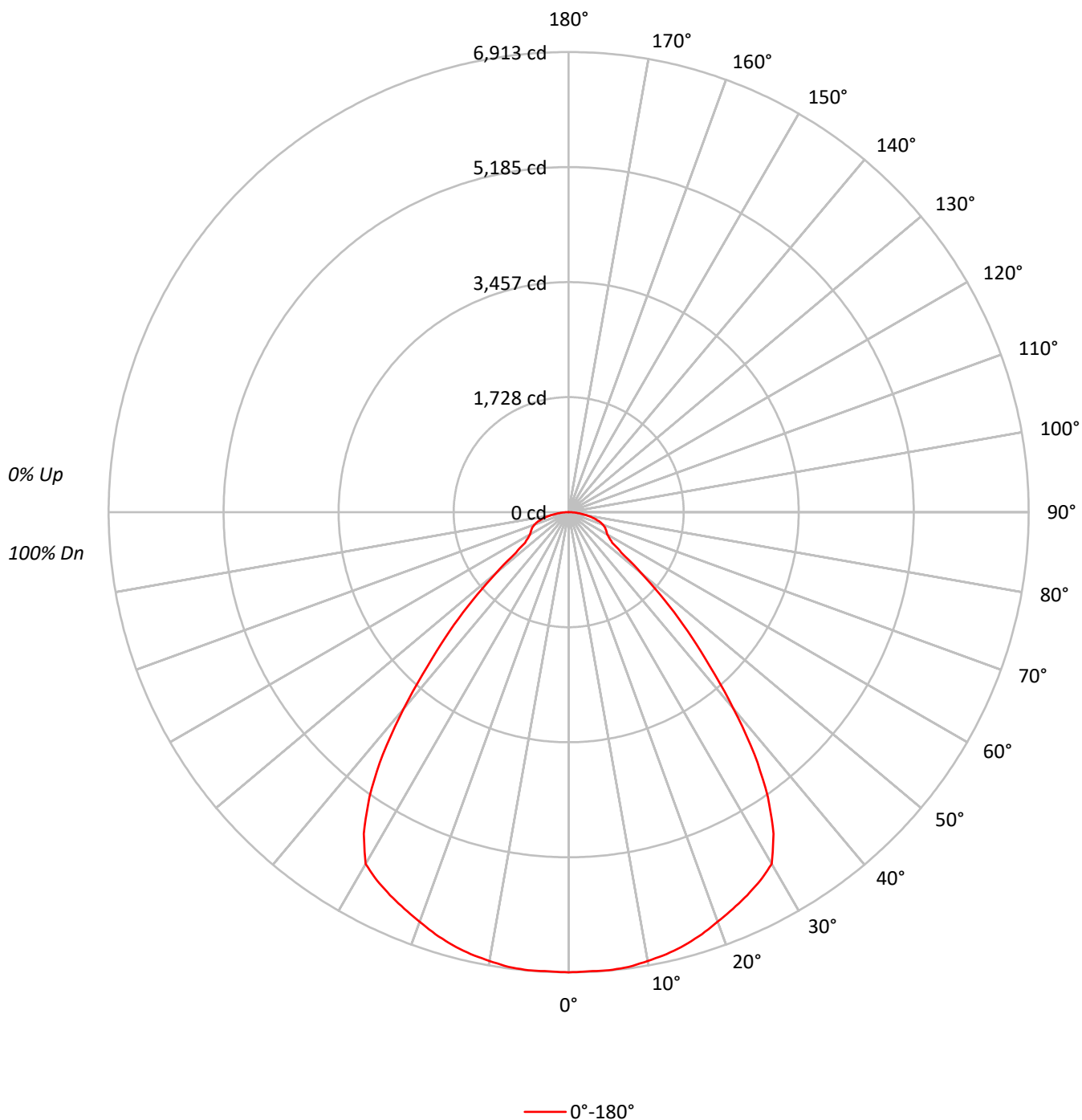
Lumens per Lamp: N/A
Luminaire Lumens: 12633.0 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 80.7
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				0
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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69			
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62			
5	83	73	65	59	82	72	64	59	70	63	59	68	62	58	66	61	57	56			
6	78	67	59	54	76	66	59	53	64	58	53	62	57	52	61	56	52	50			
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	57	51	47	46			
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42			
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38			
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	41	37	35			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56063
5°	56243
10°	56372
15°	56544
20°	56490
25°	56802
30°	57125
35°	51671
40°	40810
45°	29009
50°	17939
55°	11299
60°	10880
65°	11818
70°	12941
75°	13501
80°	12941
85°	11947

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	657.5	5.2
10°-20°	1900.7	15.0
20°-30°	2928.5	23.2
30°-40°	3194.3	25.3
40°-50°	1959.3	15.5
50°-60°	794.3	6.3
60°-70°	608.1	4.8
70°-80°	446.5	3.5
80°-90°	143.9	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°	5486.7	43.4
0°-40°	8680.9	68.7
0°-60°	11434.6	90.5
0°-90°	12633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12633.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6913	
5°	6909	657
15°	6735	1901
25°	6348	2929
35°	5219	3194
45°	2529	1959
55°	799	794
65°	616	608
75°	431	447
85°	128	144
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6913.3
2.5°	6902.3
5°	6909.0
7.5°	6891.3
10°	6845.7
12.5°	6800.9
15°	6735.0
17.5°	6649.7
20°	6545.8
22.5°	6450.3
25°	6348.1
27.5°	6237.4
30°	6100.5
32.5°	5729.7
35°	5219.4
37.5°	4588.3
40°	3855.0
42.5°	3132.6
45°	2529.4
47.5°	1950.7
50°	1421.9
52.5°	996.9
55°	799.2
57.5°	724.9
60°	670.8
62.5°	642.9
65°	615.9
67.5°	586.3
70°	545.8
72.5°	493.4
75°	430.9
77.5°	356.5
80°	277.1
82.5°	200.2
85°	128.4
87.5°	61.7
90°	0.0

(END OF REPORT)