

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: P1504726

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504726
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-35)
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-04-WHGL-PS (4000K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

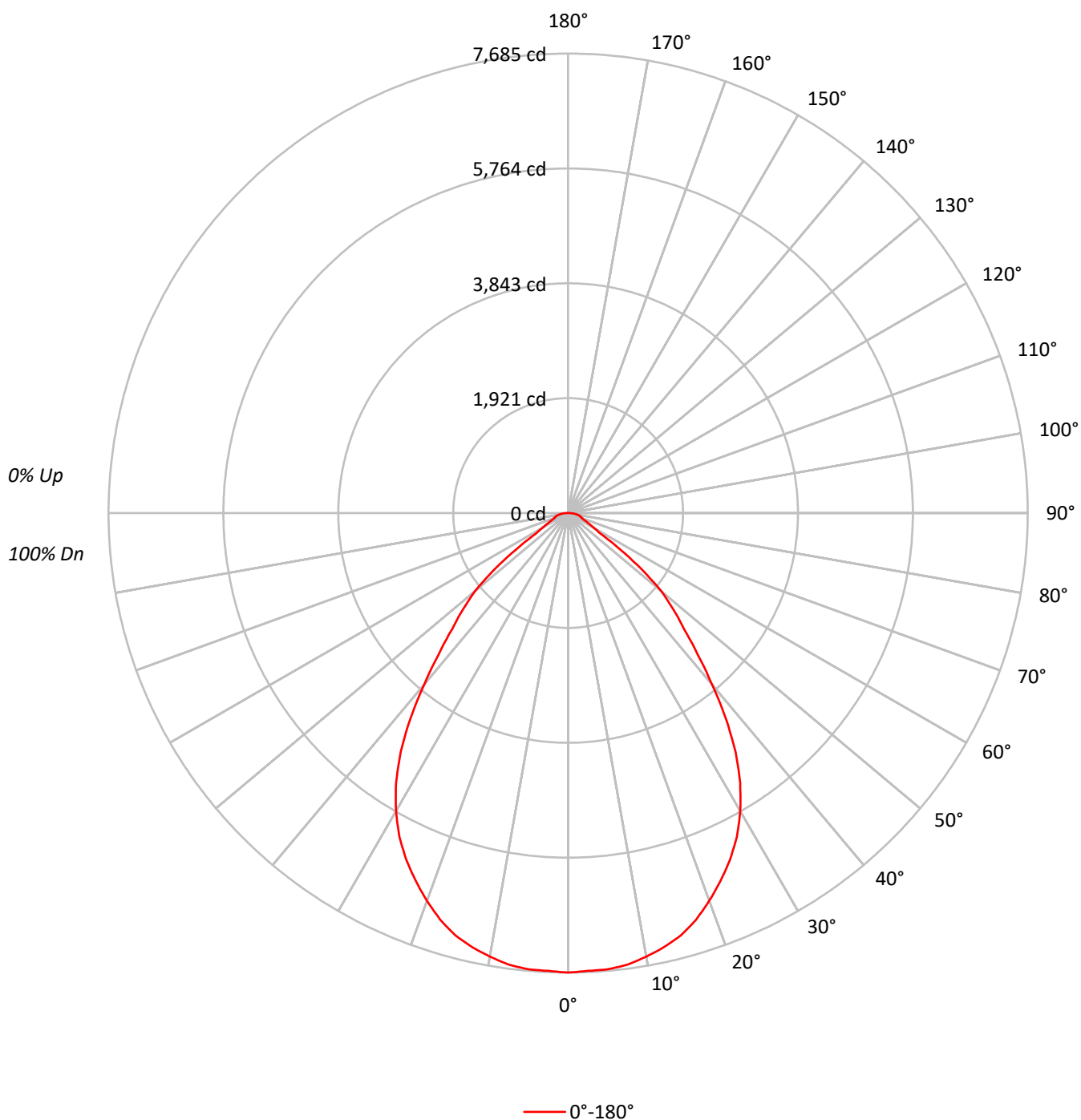
Lumens per Lamp: N/A
Luminaire Lumens: 12524.3 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

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			
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	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	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66514
5°	66555
10°	66196
15°	65484
20°	63554
25°	61126
30°	57543
35°	51552
40°	42268
45°	33558
50°	27428
55°	15898
60°	8614
65°	6714
70°	6180
75°	6979
80°	7915
85°	8561

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33558 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	727.1	5.8
10°-20°	2052.0	16.4
20°-30°	2935.0	23.4
30°-40°	3008.5	24.0
40°-50°	2154.5	17.2
50°-60°	999.8	8.0
60°-70°	339.3	2.7
70°-80°	217.0	1.7
80°-90°	91.1	0.7
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°	5714.1	45.6
0°-40°	8722.6	69.6
0°-60°	11876.9	94.8
0°-90°	12524.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12524.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7685	
5°	7660	727
15°	7308	2052
25°	6400	2935
35°	4879	3009
45°	2742	2155
55°	1054	1000
65°	328	339
75°	209	217
85°	86	91
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7684.6
2.5°	7664.3
5°	7660.1
7.5°	7617.0
10°	7531.7
12.5°	7433.7
15°	7307.8
17.5°	7126.2
20°	6899.8
22.5°	6659.0
25°	6400.5
27.5°	6107.3
30°	5757.5
32.5°	5352.0
35°	4878.9
37.5°	4334.0
40°	3740.9
42.5°	3205.3
45°	2741.5
47.5°	2384.1
50°	2036.9
52.5°	1566.3
55°	1053.5
57.5°	634.5
60°	497.6
62.5°	402.1
65°	327.8
67.5°	272.9
70°	244.2
72.5°	223.9
75°	208.7
77.5°	187.6
80°	158.8
82.5°	124.2
85°	86.2
87.5°	44.8
90°	0.0

(END OF REPORT)