

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: P1504735

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504735
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

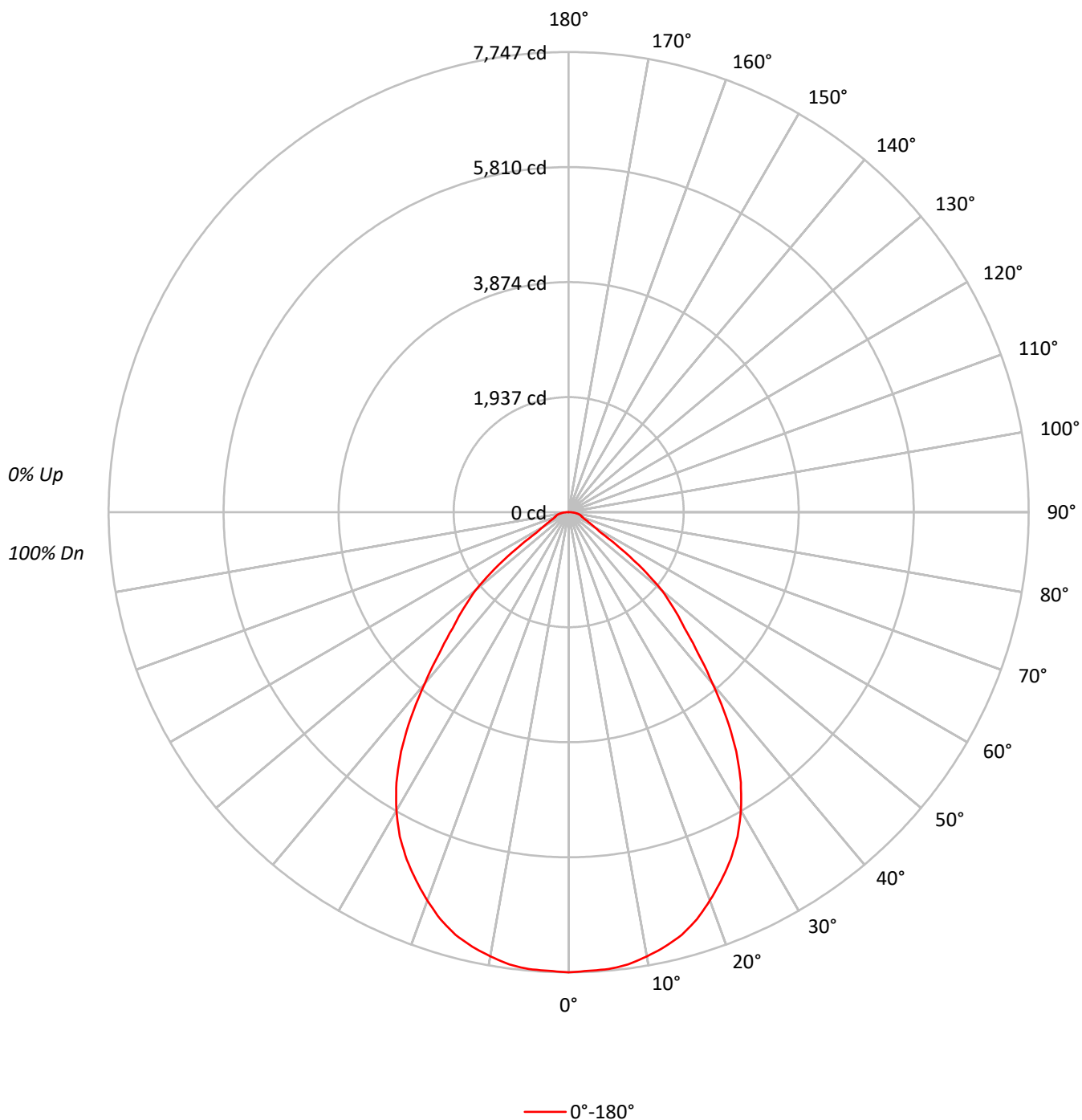
Lumens per Lamp: N/A
Luminaire Lumens: 12625.9 lumens
Efficiency: N/A
Efficacy: 155.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 81.1
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°	67054
5°	67095
10°	66733
15°	66015
20°	64068
25°	61622
30°	58011
35°	51971
40°	42611
45°	33829
50°	27650
55°	16027
60°	8683
65°	6769
70°	6228
75°	7036
80°	7980
85°	8630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33829 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.0	5.8
10°-20°	2068.7	16.4
20°-30°	2958.8	23.4
30°-40°	3033.0	24.0
40°-50°	2172.0	17.2
50°-60°	1007.9	8.0
60°-70°	342.0	2.7
70°-80°	218.8	1.7
80°-90°	91.8	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°	5760.5	45.6
0°-40°	8793.4	69.6
0°-60°	11973.3	94.8
0°-90°	12625.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12625.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7747	
5°	7722	733
15°	7367	2069
25°	6452	2959
35°	4918	3033
45°	2764	2172
55°	1062	1008
65°	330	342
75°	210	219
85°	87	92
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7747.0
2.5°	7726.5
5°	7722.3
7.5°	7678.8
10°	7592.8
12.5°	7494.0
15°	7367.1
17.5°	7184.0
20°	6955.7
22.5°	6713.0
25°	6452.4
27.5°	6156.9
30°	5804.3
32.5°	5395.5
35°	4918.5
37.5°	4369.2
40°	3771.3
42.5°	3231.3
45°	2763.7
47.5°	2403.5
50°	2053.4
52.5°	1579.0
55°	1062.1
57.5°	639.6
60°	501.6
62.5°	405.4
65°	330.5
67.5°	275.1
70°	246.1
72.5°	225.7
75°	210.4
77.5°	189.1
80°	160.1
82.5°	125.2
85°	86.9
87.5°	45.1
90°	0.0

(END OF REPORT)