

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: P1504708

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504708
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

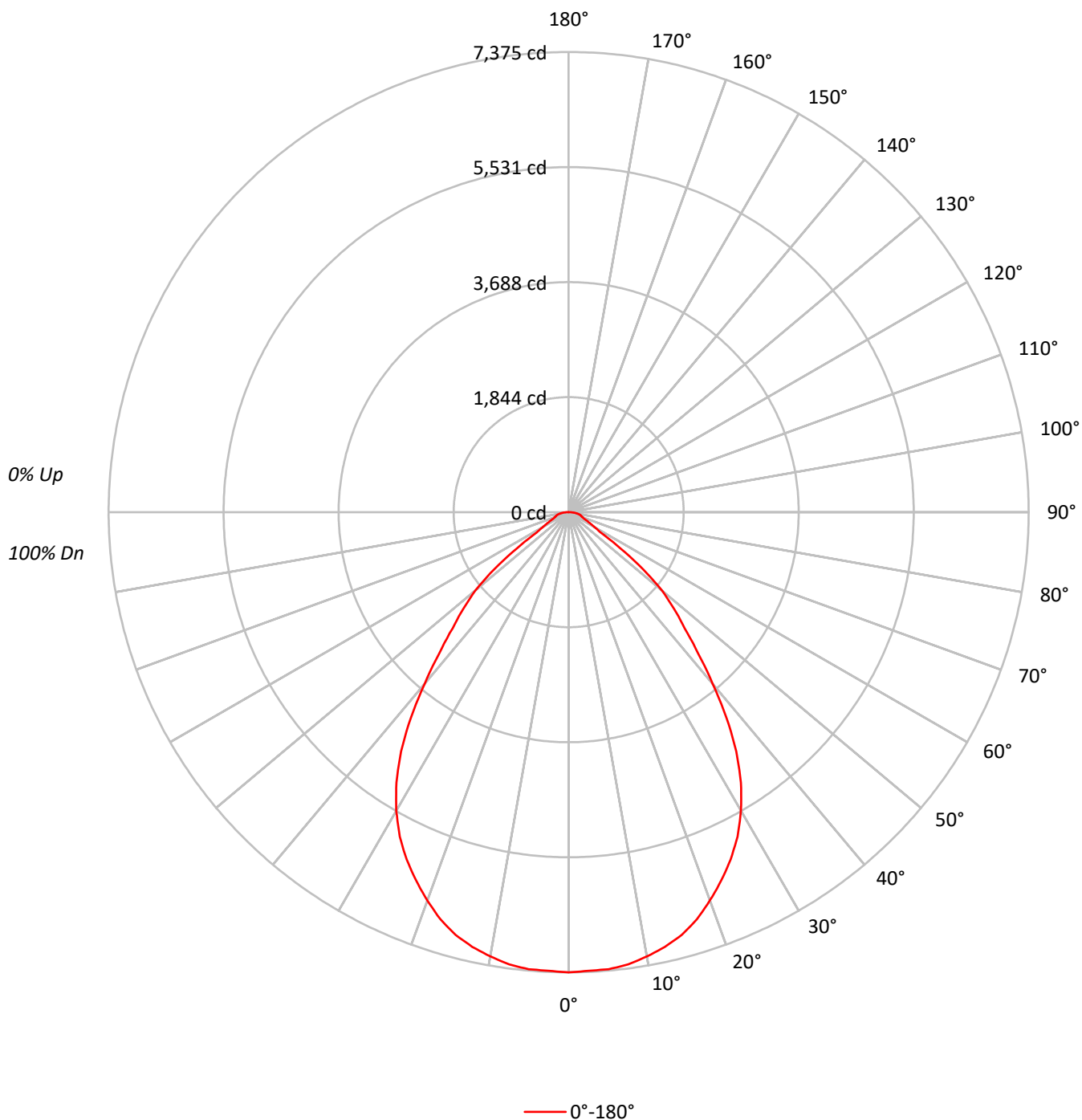
Lumens per Lamp: N/A
Luminaire Lumens: 12019.9 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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°	63836
5°	63875
10°	63530
15°	62846
20°	60994
25°	58664
30°	55226
35°	49477
40°	40566
45°	32206
50°	26324
55°	15258
60°	8268
65°	6443
70°	5929
75°	6698
80°	7596
85°	8213

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32206 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	697.8	5.8
10°-20°	1969.4	16.4
20°-30°	2816.8	23.4
30°-40°	2887.4	24.0
40°-50°	2067.8	17.2
50°-60°	959.5	8.0
60°-70°	325.6	2.7
70°-80°	208.3	1.7
80°-90°	87.4	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°	5484.0	45.6
0°-40°	8371.4	69.6
0°-60°	11398.7	94.8
0°-90°	12019.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12019.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7375	
5°	7352	698
15°	7014	1969
25°	6143	2817
35°	4682	2887
45°	2631	2068
55°	1011	960
65°	315	326
75°	200	208
85°	83	87
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7375.2
2.5°	7355.7
5°	7351.7
7.5°	7310.3
10°	7228.4
12.5°	7134.4
15°	7013.5
17.5°	6839.2
20°	6621.9
22.5°	6390.8
25°	6142.7
27.5°	5861.4
30°	5525.7
32.5°	5136.5
35°	4682.5
37.5°	4159.5
40°	3590.3
42.5°	3076.2
45°	2631.1
47.5°	2288.1
50°	1954.9
52.5°	1503.3
55°	1011.1
57.5°	608.9
60°	477.6
62.5°	385.9
65°	314.6
67.5°	261.9
70°	234.3
72.5°	214.9
75°	200.3
77.5°	180.0
80°	152.4
82.5°	119.2
85°	82.7
87.5°	43.0
90°	0.0

(END OF REPORT)