

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: P1504741

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504741
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_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

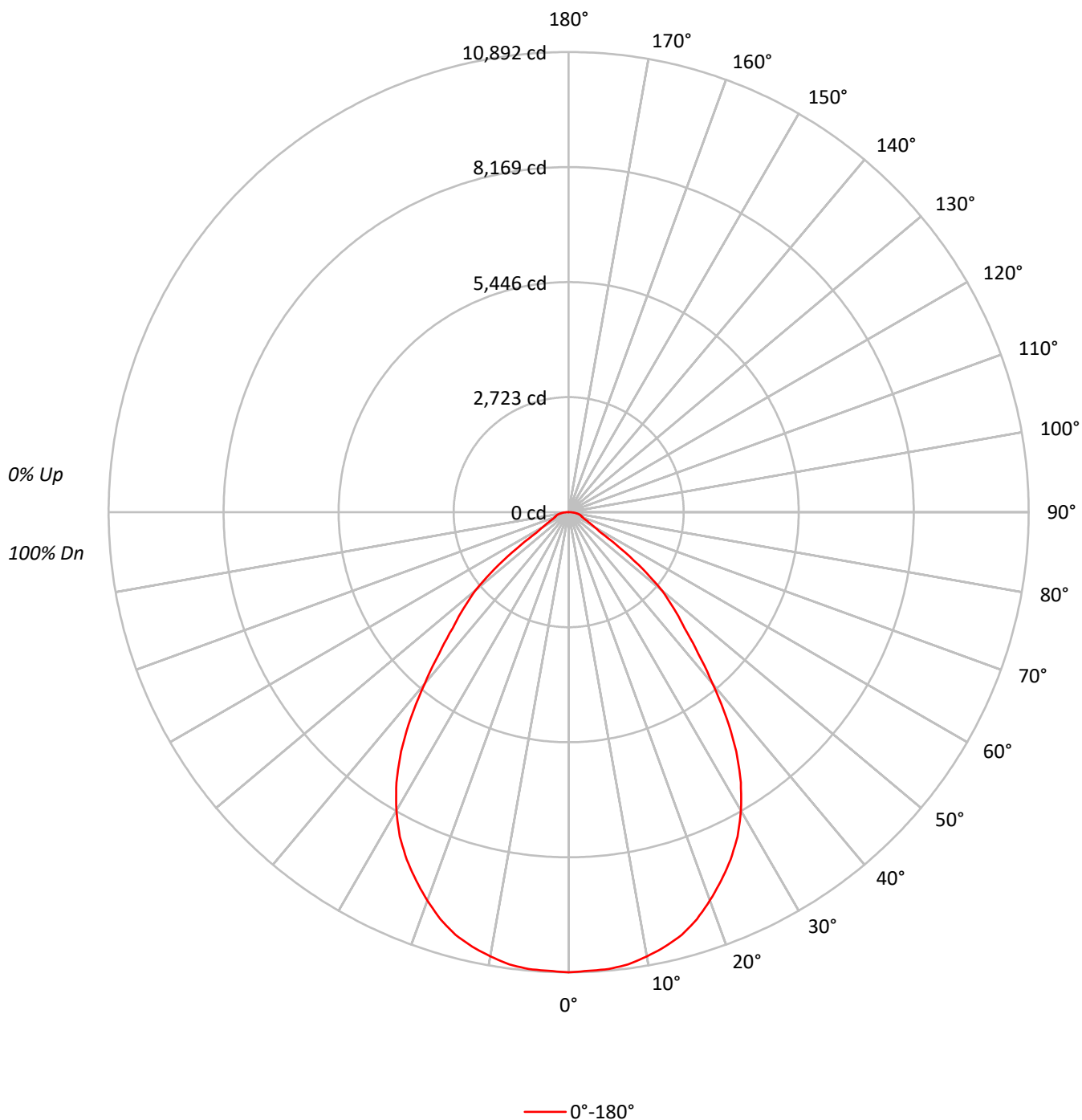
Lumens per Lamp: N/A
Luminaire Lumens: 17751.2 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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°	94272
5°	94331
10°	93822
15°	92813
20°	90076
25°	86636
30°	81559
35°	73067
40°	59909
45°	47562
50°	38875
55°	22533
60°	12209
65°	9515
70°	8759
75°	9892
80°	11220
85°	12126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47562 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1030.6	5.8
10°-20°	2908.4	16.4
20°-30°	4159.9	23.4
30°-40°	4264.1	24.0
40°-50°	3053.7	17.2
50°-60°	1417.1	8.0
60°-70°	480.9	2.7
70°-80°	307.5	1.7
80°-90°	129.0	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°	8098.8	45.6
0°-40°	12363.0	69.6
0°-60°	16833.7	94.8
0°-90°	17751.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17751.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10892	
5°	10857	###
15°	10358	2908
25°	9072	4160
35°	6915	4264
45°	3886	3054
55°	1493	1417
65°	465	481
75°	296	308
85°	122	129
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10891.7
2.5°	10863.0
5°	10857.0
7.5°	10795.9
10°	10675.0
12.5°	10536.1
15°	10357.7
17.5°	10100.2
20°	9779.3
22.5°	9438.1
25°	9071.6
27.5°	8656.1
30°	8160.4
32.5°	7585.6
35°	6915.1
37.5°	6142.8
40°	5302.2
42.5°	4543.0
45°	3885.6
47.5°	3379.1
50°	2887.0
52.5°	2220.0
55°	1493.2
57.5°	899.3
60°	705.3
62.5°	570.0
65°	464.6
67.5°	386.8
70°	346.1
72.5°	317.3
75°	295.8
77.5°	265.8
80°	225.1
82.5°	176.0
85°	122.1
87.5°	63.5
90°	0.0

(END OF REPORT)