

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: P1504723

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504723
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

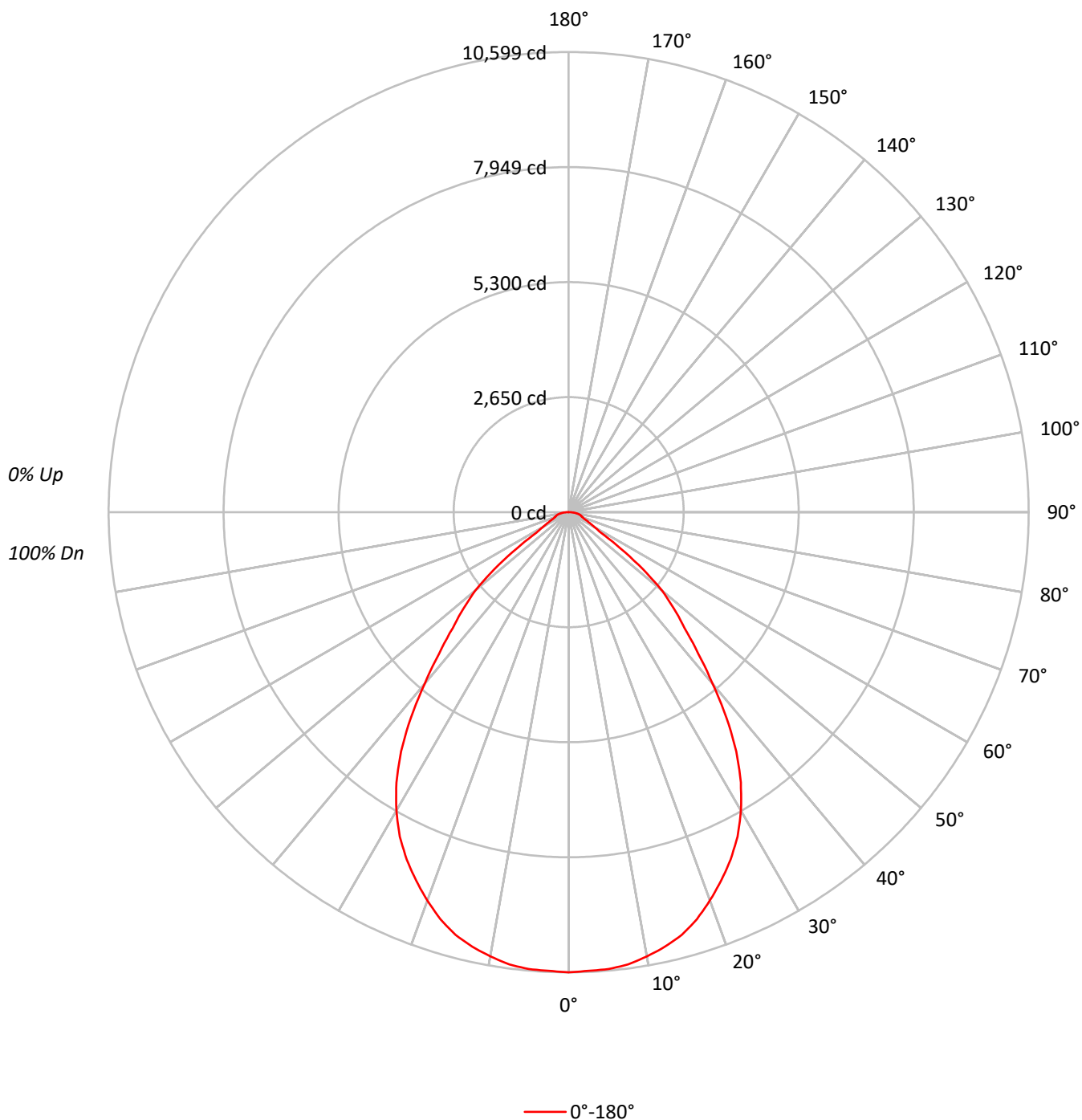
Lumens per Lamp: N/A
Luminaire Lumens: 17273.8 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 120.7
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°	91737
5°	91794
10°	91299
15°	90317
20°	87654
25°	84307
30°	79366
35°	71102
40°	58298
45°	46283
50°	37829
55°	21926
60°	11880
65°	9259
70°	8521
75°	9625
80°	10921
85°	11808

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46283 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1002.8	5.8
10°-20°	2830.2	16.4
20°-30°	4048.0	23.4
30°-40°	4149.5	24.0
40°-50°	2971.5	17.2
50°-60°	1378.9	8.0
60°-70°	467.9	2.7
70°-80°	299.3	1.7
80°-90°	125.6	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°	7881.1	45.6
0°-40°	12030.5	69.6
0°-60°	16381.0	94.8
0°-90°	17273.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17273.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10599	
5°	10565	###
15°	10079	2830
25°	8828	4048
35°	6729	4149
45°	3781	2972
55°	1453	1379
65°	452	468
75°	288	299
85°	119	126
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10598.8
2.5°	10570.9
5°	10565.0
7.5°	10505.6
10°	10387.9
12.5°	10252.7
15°	10079.1
17.5°	9828.6
20°	9516.3
22.5°	9184.2
25°	8827.7
27.5°	8423.4
30°	7941.0
32.5°	7381.7
35°	6729.1
37.5°	5977.6
40°	5159.6
42.5°	4420.8
45°	3781.1
47.5°	3288.2
50°	2809.3
52.5°	2160.3
55°	1453.0
57.5°	875.1
60°	686.3
62.5°	554.6
65°	452.1
67.5°	376.4
70°	336.7
72.5°	308.8
75°	287.8
77.5°	258.7
80°	219.1
82.5°	171.3
85°	118.9
87.5°	61.8
90°	0.0

(END OF REPORT)