

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: P1504739

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504739
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-34)
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_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

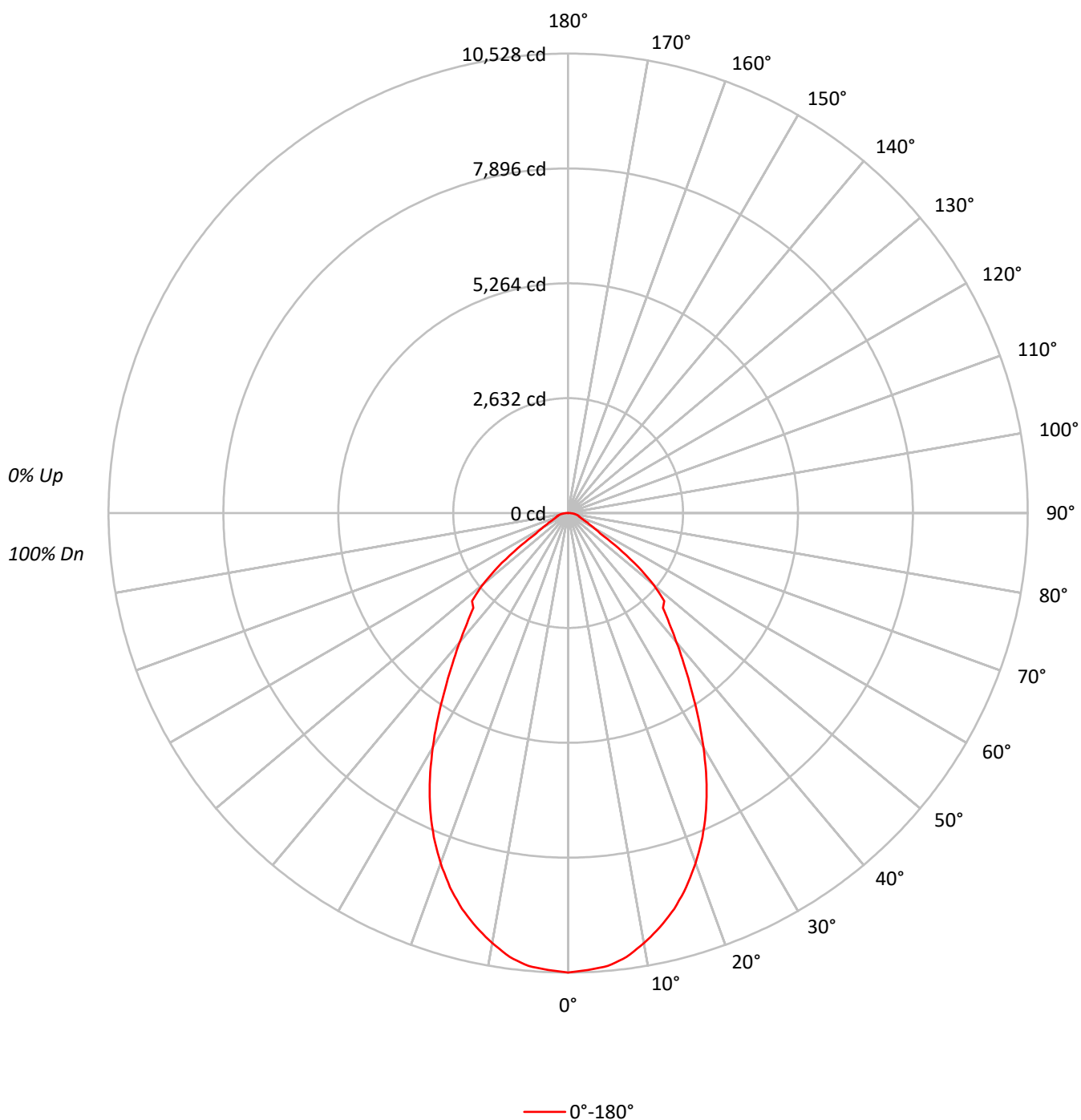
Lumens per Lamp: N/A
Luminaire Lumens: 14667.3 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 100.1
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	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	60	68	64	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91128
5°	90514
10°	87922
15°	84132
20°	78636
25°	71453
30°	61933
35°	51823
40°	43606
45°	37619
50°	34442
55°	21232
60°	11939
65°	8647
70°	7496
75°	8294
80°	9346
85°	9673

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 38258 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	981.2	6.7
10°-20°	2627.2	17.9
20°-30°	3410.0	23.2
30°-40°	3084.3	21.0
40°-50°	2445.3	16.7
50°-60°	1311.8	8.9
60°-70°	444.3	3.0
70°-80°	258.7	1.8
80°-90°	104.5	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°	7018.5	47.9
0°-40°	10102.7	68.9
0°-60°	13859.8	94.5
0°-90°	14667.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14667.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10528	
5°	10418	981
15°	9389	2627
25°	7482	3410
35°	4904	3084
45°	3073	2445
55°	1407	1312
65°	422	444
75°	248	259
85°	97	104
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10528.4
2.5°	10479.2
5°	10417.7
7.5°	10259.9
10°	10003.7
12.5°	9719.9
15°	9388.9
17.5°	8991.3
20°	8537.3
22.5°	8038.2
25°	7481.8
27.5°	6856.7
30°	6196.7
32.5°	5540.9
35°	4904.5
37.5°	4349.1
40°	3859.3
42.5°	3423.7
45°	3073.3
47.5°	2986.2
50°	2557.8
52.5°	2021.9
55°	1407.0
57.5°	874.1
60°	689.7
62.5°	542.1
65°	422.2
67.5°	343.3
70°	296.2
72.5°	267.5
75°	248.0
77.5°	222.4
80°	187.5
82.5°	144.5
85°	97.4
87.5°	48.2
90°	0.0

(END OF REPORT)