

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: P1504605

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504605
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-30)
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-BLAK-PS (5000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

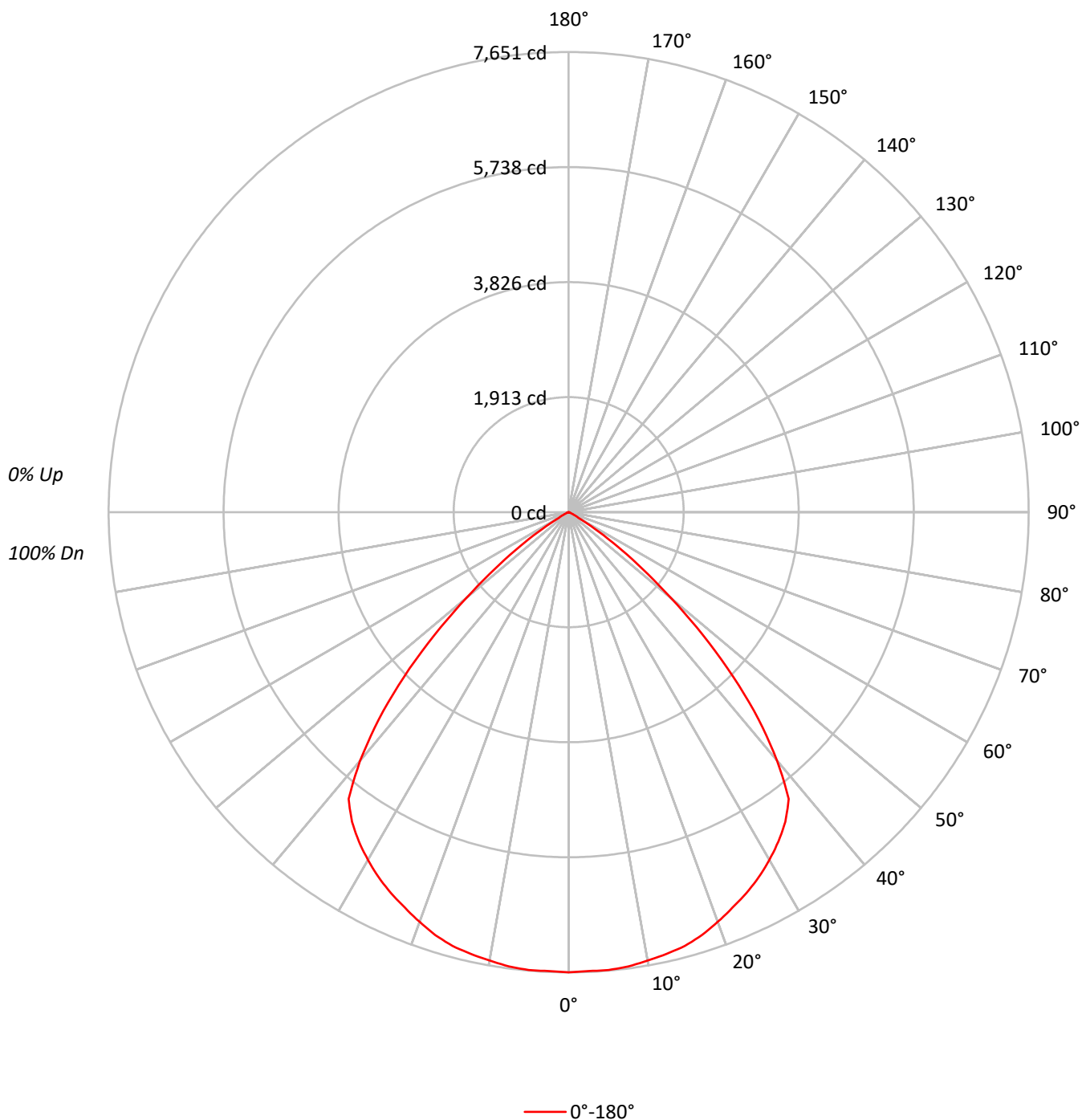
Lumens per Lamp: N/A
Luminaire Lumens: 13924.6 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.29
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

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	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	81	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	45	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	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°	66222
5°	66385
10°	66532
15°	66905
20°	66762
25°	66755
30°	66726
35°	66386
40°	60973
45°	47466
50°	29819
55°	14846
60°	3388
65°	1532
70°	623
75°	445
80°	508
85°	606

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47466 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	727.1	5.2
10°-20°	2105.3	15.1
20°-30°	3222.7	23.1
30°-40°	3884.4	27.9
40°-50°	2944.8	21.1
50°-60°	933.6	6.7
60°-70°	85.0	0.6
70°-80°	15.4	0.1
80°-90°	6.4	0.0
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°	6055.0	43.5
0°-40°	9939.5	71.4
0°-60°	13817.9	99.2
0°-90°	13924.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13924.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7651	
5°	7641	727
15°	7466	2105
25°	6990	3223
35°	6283	3884
45°	3878	2945
55°	984	934
65°	75	85
75°	13	15
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7650.9
2.5°	7635.5
5°	7640.6
7.5°	7619.1
10°	7569.9
12.5°	7522.8
15°	7466.4
17.5°	7373.2
20°	7248.1
22.5°	7118.0
25°	6989.9
27.5°	6845.4
30°	6676.3
32.5°	6492.9
35°	6282.8
37.5°	6011.3
40°	5396.4
42.5°	4678.0
45°	3877.7
47.5°	3025.1
50°	2214.5
52.5°	1543.3
55°	983.8
57.5°	508.3
60°	195.7
62.5°	123.0
65°	74.8
67.5°	38.9
70°	24.6
72.5°	15.4
75°	13.3
77.5°	12.3
80°	10.2
82.5°	9.2
85°	6.1
87.5°	3.1
90°	0.0

(END OF REPORT)