

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: P1504784

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504784
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-52)
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-06-BLAK-PS (5000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

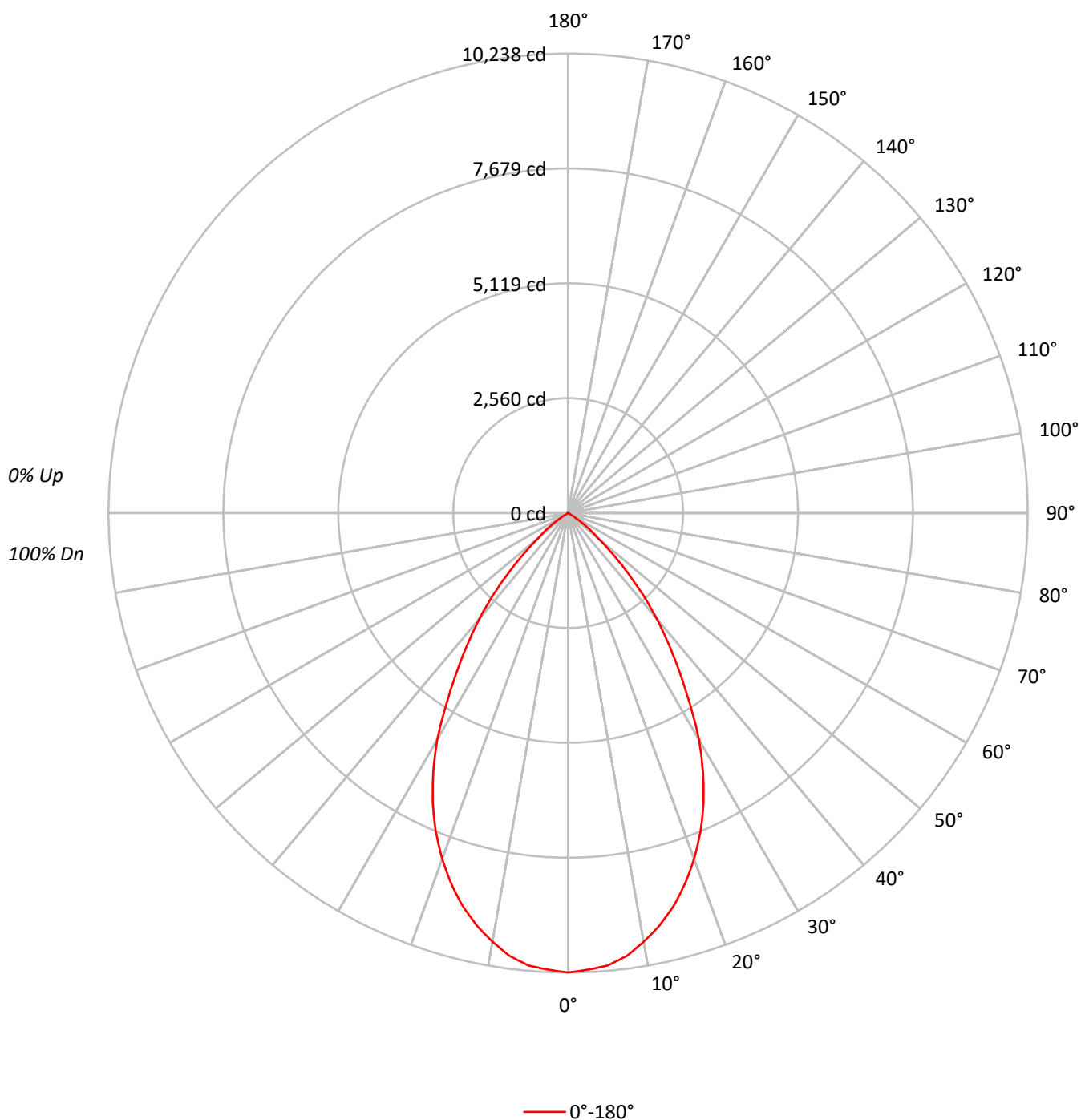
Lumens per Lamp: N/A
Luminaire Lumens: 11321.6 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.96
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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					0
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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	93	105	100	96	92	97	93	90	93	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71			
5	90	80	74	69	88	79	74	69	78	72	68	76	71	68	74	70	67	66			
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60			
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56			
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52			
9	71	61	55	50	70	60	54	50	59	54	50	59	53	50	58	53	50	48			
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83028
5°	82377
10°	79862
15°	76123
20°	70766
25°	63810
30°	54610
35°	42731
40°	32545
45°	21249
50°	11003
55°	5506
60°	1280
65°	453
70°	436
75°	448
80°	430
85°	475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21249 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	952.4	8.4
10°-20°	2535.5	22.4
20°-30°	3247.7	28.7
30°-40°	2712.8	24.0
40°-50°	1449.9	12.8
50°-60°	370.8	3.3
60°-70°	32.3	0.3
70°-80°	14.7	0.1
80°-90°	5.4	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°	6735.6	59.5
0°-40°	9448.4	83.5
0°-60°	11269.1	99.5
0°-90°	11321.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11321.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10238	
5°	10120	952
15°	9067	2535
25°	7131	3248
35°	4316	2713
45°	1853	1450
55°	389	371
65°	24	32
75°	14	15
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10238.4
2.5°	10182.0
5°	10119.5
7.5°	9954.5
10°	9698.3
12.5°	9410.4
15°	9067.1
17.5°	8657.2
20°	8200.1
22.5°	7694.9
25°	7131.3
27.5°	6502.1
30°	5831.9
32.5°	5044.9
35°	4316.3
37.5°	3673.8
40°	3074.3
42.5°	2446.1
45°	1852.8
47.5°	1337.3
50°	872.1
52.5°	631.3
55°	389.4
57.5°	188.6
60°	78.9
62.5°	38.9
65°	23.6
67.5°	20.5
70°	18.4
72.5°	16.4
75°	14.3
77.5°	11.3
80°	9.2
82.5°	7.2
85°	5.1
87.5°	3.1
90°	0.0

(END OF REPORT)