

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: P1504796

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504796
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 (6500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

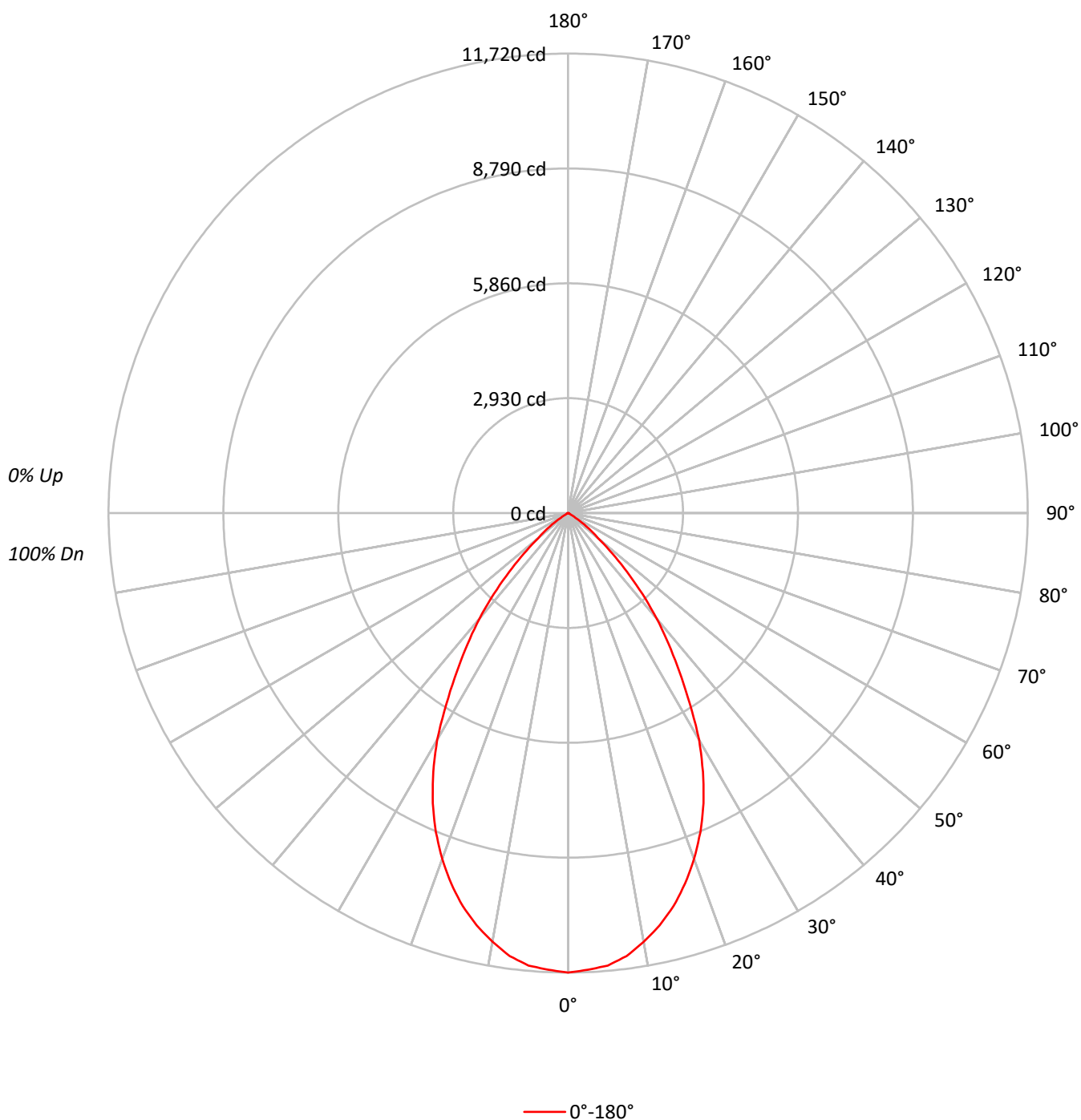
Lumens per Lamp: N/A
Luminaire Lumens: 12960.5 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.96
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 123.3
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				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°	95047
5°	94302
10°	91423
15°	87143
20°	81011
25°	73047
30°	62515
35°	48916
40°	37256
45°	24325
50°	12595
55°	6303
60°	1465
65°	518
70°	500
75°	514
80°	495
85°	549

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24325 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1090.3	8.4
10°-20°	2902.5	22.4
20°-30°	3717.9	28.7
30°-40°	3105.5	24.0
40°-50°	1659.8	12.8
50°-60°	424.4	3.3
60°-70°	37.0	0.3
70°-80°	16.9	0.1
80°-90°	6.2	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°	7710.7	59.5
0°-40°	10816.2	83.5
0°-60°	12900.4	99.5
0°-90°	12960.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12960.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11720	
5°	11584	###
15°	10380	2903
25°	8164	3718
35°	4941	3105
45°	2121	1660
55°	446	424
65°	27	37
75°	16	17
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11720.5
2.5°	11656.0
5°	11584.4
7.5°	11395.6
10°	11102.3
12.5°	10772.6
15°	10379.6
17.5°	9910.4
20°	9387.2
22.5°	8808.9
25°	8163.6
27.5°	7443.4
30°	6676.1
32.5°	5775.2
35°	4941.1
37.5°	4205.6
40°	3519.3
42.5°	2800.2
45°	2121.0
47.5°	1530.9
50°	998.3
52.5°	722.6
55°	445.8
57.5°	215.9
60°	90.3
62.5°	44.6
65°	27.0
67.5°	23.5
70°	21.1
72.5°	18.8
75°	16.4
77.5°	12.9
80°	10.6
82.5°	8.2
85°	5.9
87.5°	3.5
90°	0.0

(END OF REPORT)