

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: P1504787

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504787
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_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

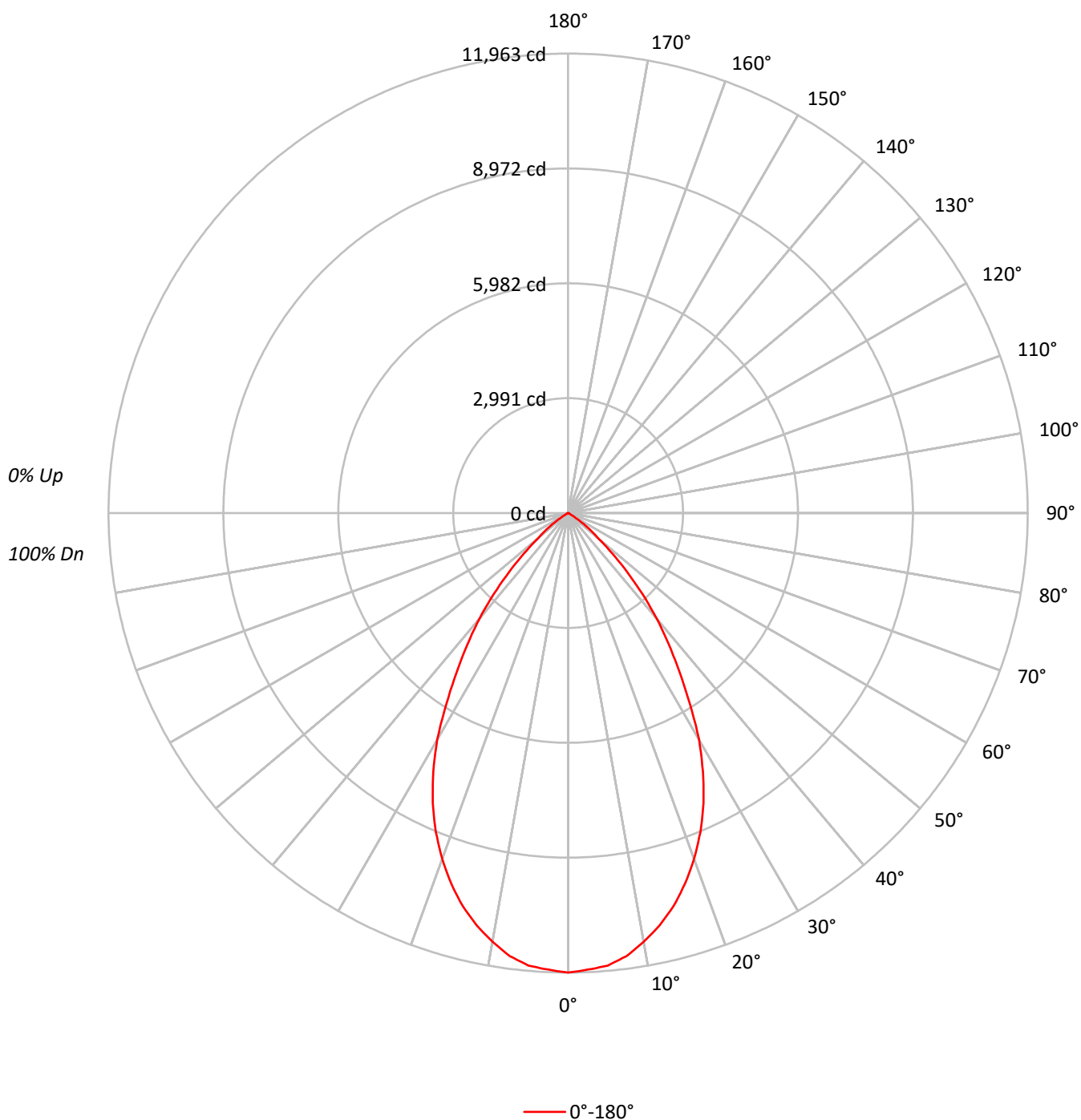
Lumens per Lamp: N/A
Luminaire Lumens: 13229.1 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.96
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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°	97017
5°	96257
10°	93318
15°	88949
20°	82690
25°	74561
30°	63811
35°	49930
40°	38029
45°	24828
50°	12856
55°	6433
60°	1495
65°	528
70°	512
75°	526
80°	504
85°	558

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24828 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1112.8	8.4
10°-20°	2962.7	22.4
20°-30°	3794.9	28.7
30°-40°	3169.9	24.0
40°-50°	1694.2	12.8
50°-60°	433.2	3.3
60°-70°	37.8	0.3
70°-80°	17.3	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°	7870.5	59.5
0°-40°	11040.3	83.5
0°-60°	13167.7	99.5
0°-90°	13229.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13229.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11963	
5°	11824	###
15°	10595	2963
25°	8333	3795
35°	5044	3170
45°	2165	1694
55°	455	433
65°	28	38
75°	17	17
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11963.4
2.5°	11897.5
5°	11824.5
7.5°	11631.7
10°	11332.4
12.5°	10995.9
15°	10594.8
17.5°	10115.8
20°	9581.7
22.5°	8991.4
25°	8332.8
27.5°	7597.6
30°	6814.5
32.5°	5894.9
35°	5043.5
37.5°	4292.7
40°	3592.3
42.5°	2858.2
45°	2164.9
47.5°	1562.6
50°	1019.0
52.5°	737.6
55°	455.0
57.5°	220.3
60°	92.2
62.5°	45.5
65°	27.5
67.5°	23.9
70°	21.6
72.5°	19.2
75°	16.8
77.5°	13.2
80°	10.8
82.5°	8.4
85°	6.0
87.5°	3.6
90°	0.0

(END OF REPORT)