

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: P1504753

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504753
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-53)
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 (3000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

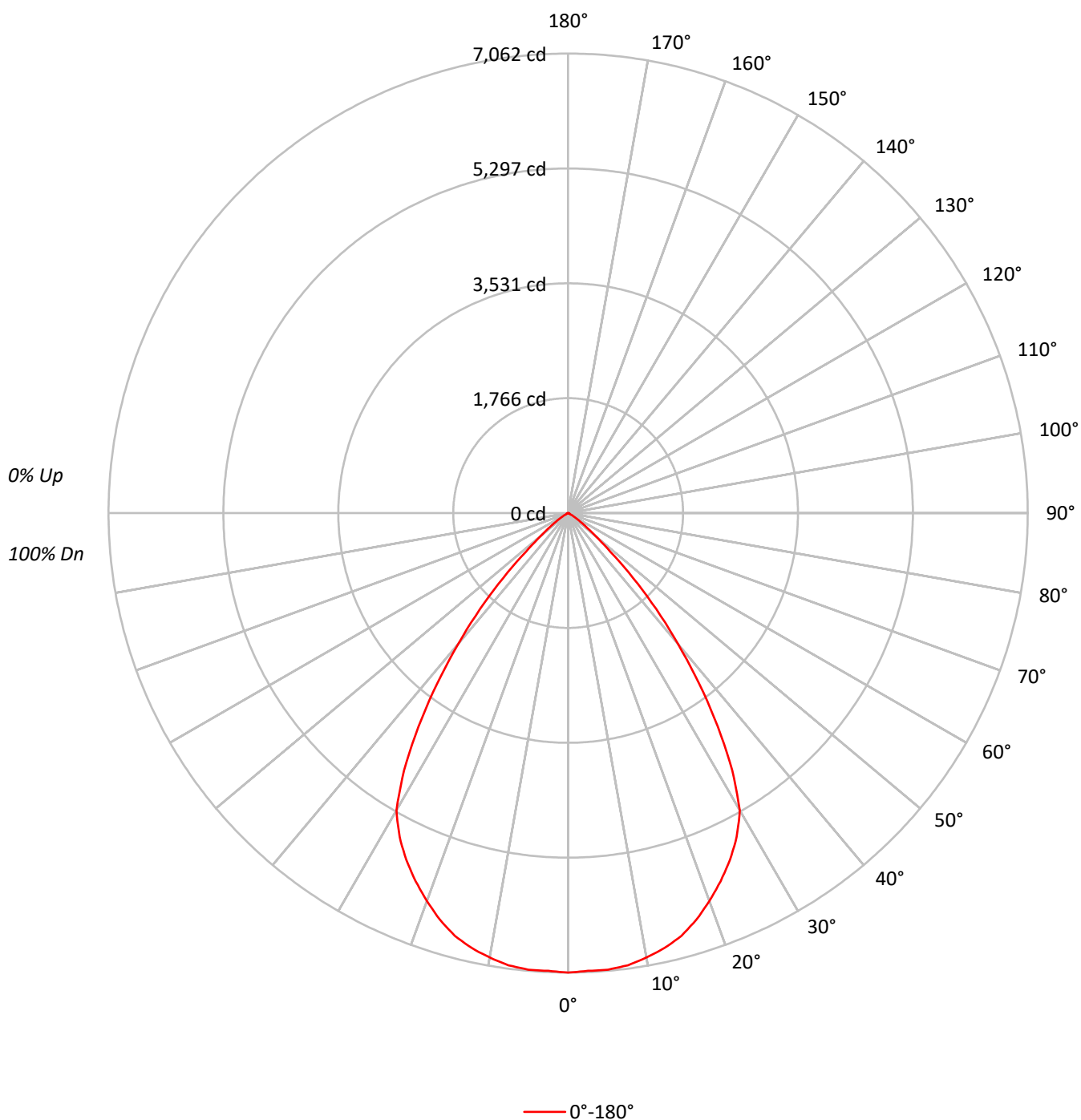
Lumens per Lamp: N/A
Luminaire Lumens: 9104.7 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92		
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85		
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78		
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71		
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65		
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60		
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55		
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51		
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47		
10	67	56	50	46	66	56	50	46	55	50	46	54	49	45	54	49	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57271
5°	57337
10°	57119
15°	56473
20°	54754
25°	52643
30°	49397
35°	39701
40°	27751
45°	16218
50°	6823
55°	3176
60°	855
65°	405
70°	422
75°	432
80°	416
85°	456

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.0	7.3
10°-20°	1888.4	20.7
20°-30°	2696.5	29.6
30°-40°	2472.7	27.2
40°-50°	1115.6	12.3
50°-60°	216.9	2.4
60°-70°	26.3	0.3
70°-80°	14.2	0.2
80°-90°	5.2	0.1
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°	5253.9	57.7
0°-40°	7726.5	84.9
0°-60°	9059.0	99.5
0°-90°	9104.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9104.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7062	
5°	7044	669
15°	6726	1888
25°	5883	2696
35°	4010	2473
45°	1414	1116
55°	225	217
65°	21	26
75°	14	14
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7062.2
2.5°	7042.7
5°	7043.5
7.5°	7011.1
10°	6936.5
12.5°	6847.3
15°	6726.5
17.5°	6553.0
20°	6344.6
22.5°	6123.3
25°	5883.3
27.5°	5609.2
30°	5275.2
32.5°	4690.6
35°	4010.3
37.5°	3305.7
40°	2621.4
42.5°	2002.7
45°	1414.1
47.5°	881.4
50°	540.8
52.5°	346.2
55°	224.6
57.5°	117.6
60°	52.7
62.5°	30.8
65°	21.1
67.5°	19.5
70°	17.8
72.5°	15.4
75°	13.8
77.5°	11.4
80°	8.9
82.5°	7.3
85°	4.9
87.5°	2.4
90°	0.0

(END OF REPORT)