

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: P1504904

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504904
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-58)
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-WHGL-PS (3500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

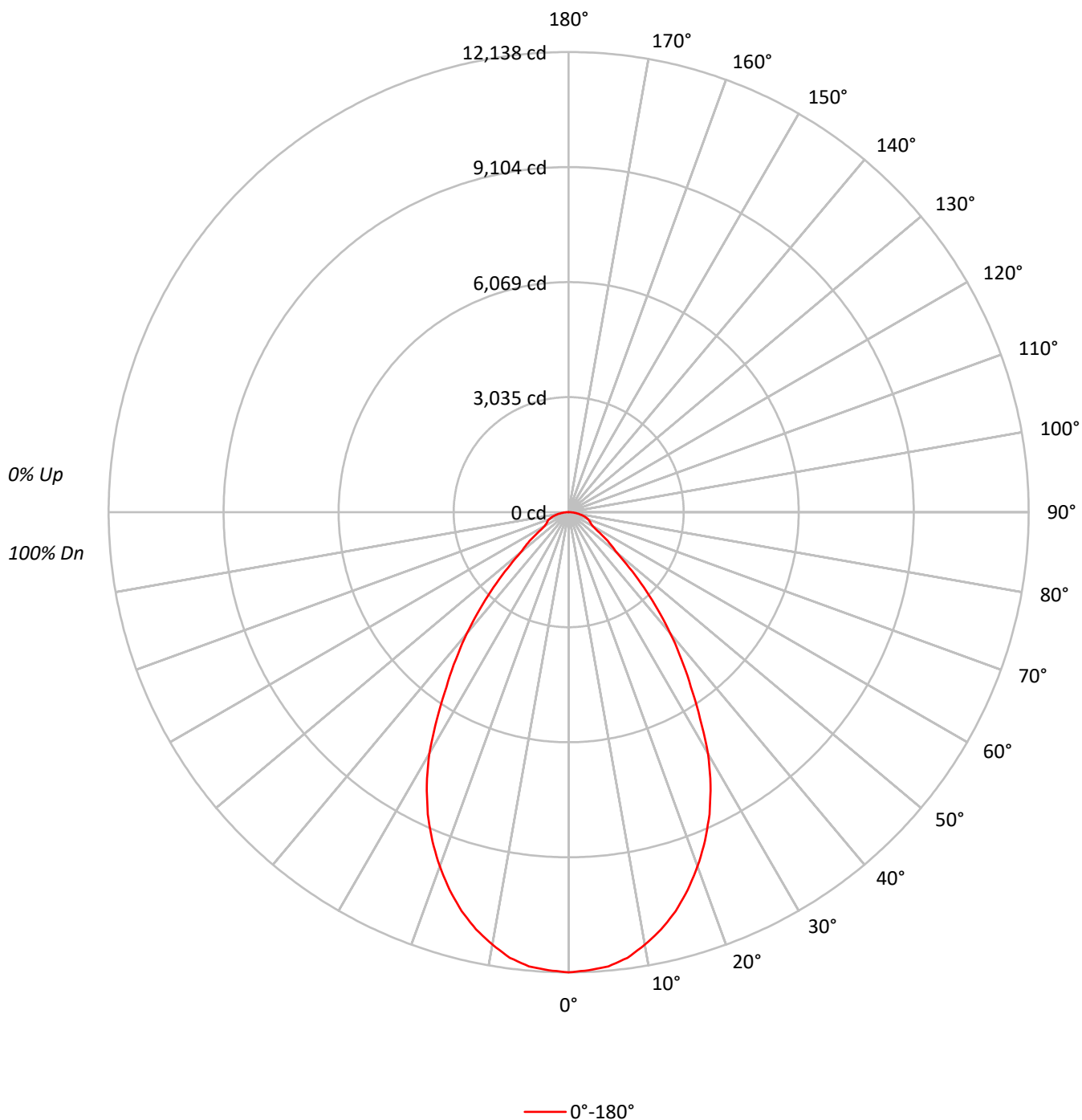
Lumens per Lamp: N/A
Luminaire Lumens: 16134.5 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 120.7
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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46		
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42		
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	98434
5°	97889
10°	95394
15°	91468
20°	85795
25°	78655
30°	68903
35°	55670
40°	44197
45°	32138
50°	20801
55°	15783
60°	11869
65°	12052
70°	12986
75°	13288
80°	13170
85°	12905

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32138 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1133.8	7.0
10°-20°	3050.1	18.9
20°-30°	4008.0	24.8
30°-40°	3531.5	21.9
40°-50°	2171.5	13.5
50°-60°	1017.1	6.3
60°-70°	627.0	3.9
70°-80°	444.0	2.8
80°-90°	151.6	0.9
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°	8191.9	50.8
0°-40°	11723.4	72.7
0°-60°	14912.0	92.4
0°-90°	16134.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16134.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12138	
5°	12025	###
15°	10895	3050
25°	8790	4008
35°	5623	3531
45°	2802	2171
55°	1116	1017
65°	628	627
75°	424	444
85°	139	152
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12138.1
2.5°	12092.6
5°	12025.0
7.5°	11857.3
10°	11584.6
12.5°	11272.3
15°	10894.8
17.5°	10445.0
20°	9941.6
22.5°	9392.8
25°	8790.4
27.5°	8105.3
30°	7358.3
32.5°	6457.6
35°	5623.3
37.5°	4885.8
40°	4175.0
42.5°	3467.7
45°	2802.3
47.5°	2173.1
50°	1648.8
52.5°	1392.4
55°	1116.3
57.5°	872.7
60°	731.8
62.5°	668.8
65°	628.1
67.5°	594.3
70°	547.7
72.5°	490.6
75°	424.1
77.5°	353.1
80°	282.0
82.5°	209.7
85°	138.7
87.5°	67.6
90°	0.0

(END OF REPORT)