

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: P1504892

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504892
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 (3000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

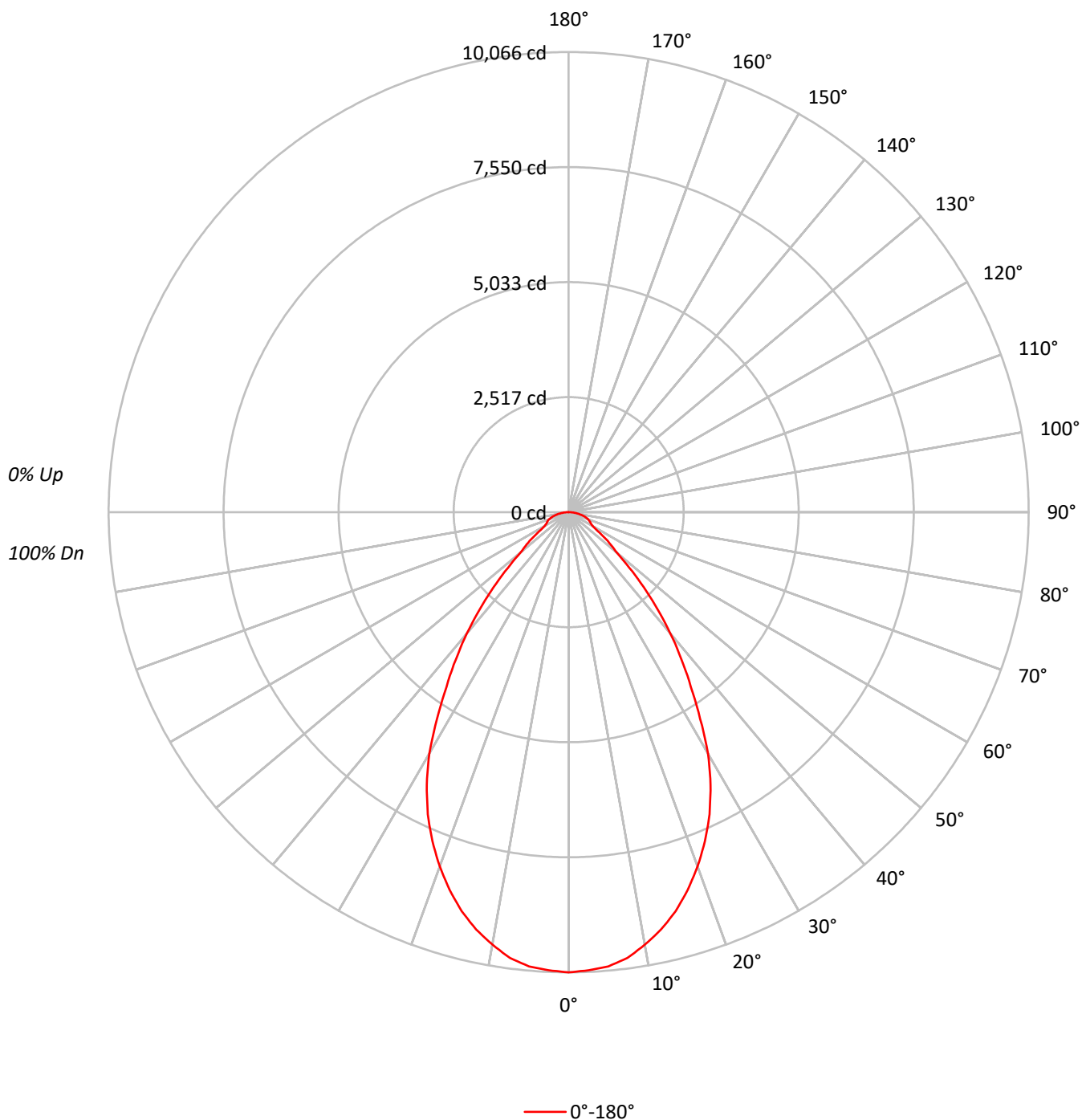
Lumens per Lamp: N/A
Luminaire Lumens: 13380.9 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 102.3
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			
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°	81634
5°	81183
10°	79114
15°	75857
20°	71154
25°	65232
30°	57144
35°	46169
40°	36655
45°	26654
50°	17251
55°	13089
60°	9843
65°	9995
70°	10769
75°	11023
80°	10923
85°	10700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26654 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.3	7.0
10°-20°	2529.5	18.9
20°-30°	3324.0	24.8
30°-40°	2928.8	21.9
40°-50°	1800.9	13.5
50°-60°	843.5	6.3
60°-70°	520.0	3.9
70°-80°	368.2	2.8
80°-90°	125.7	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°	6793.9	50.8
0°-40°	9722.6	72.7
0°-60°	12367.1	92.4
0°-90°	13380.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13380.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10066	
5°	9973	940
15°	9035	2530
25°	7290	3324
35°	4664	2929
45°	2324	1801
55°	926	844
65°	521	520
75°	352	368
85°	115	126
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10066.5
2.5°	10028.9
5°	9972.8
7.5°	9833.6
10°	9607.5
12.5°	9348.5
15°	9035.4
17.5°	8662.4
20°	8245.0
22.5°	7789.8
25°	7290.2
27.5°	6722.0
30°	6102.5
32.5°	5355.5
35°	4663.6
37.5°	4051.9
40°	3462.5
42.5°	2875.9
45°	2324.1
47.5°	1802.3
50°	1367.4
52.5°	1154.8
55°	925.8
57.5°	723.8
60°	606.9
62.5°	554.7
65°	520.9
67.5°	492.8
70°	454.2
72.5°	406.8
75°	351.8
77.5°	292.8
80°	233.9
82.5°	173.9
85°	115.0
87.5°	56.0
90°	0.0

(END OF REPORT)