

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: P1504570

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (6500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504570
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-47)
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-A-06-WHGL-PS (6500K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

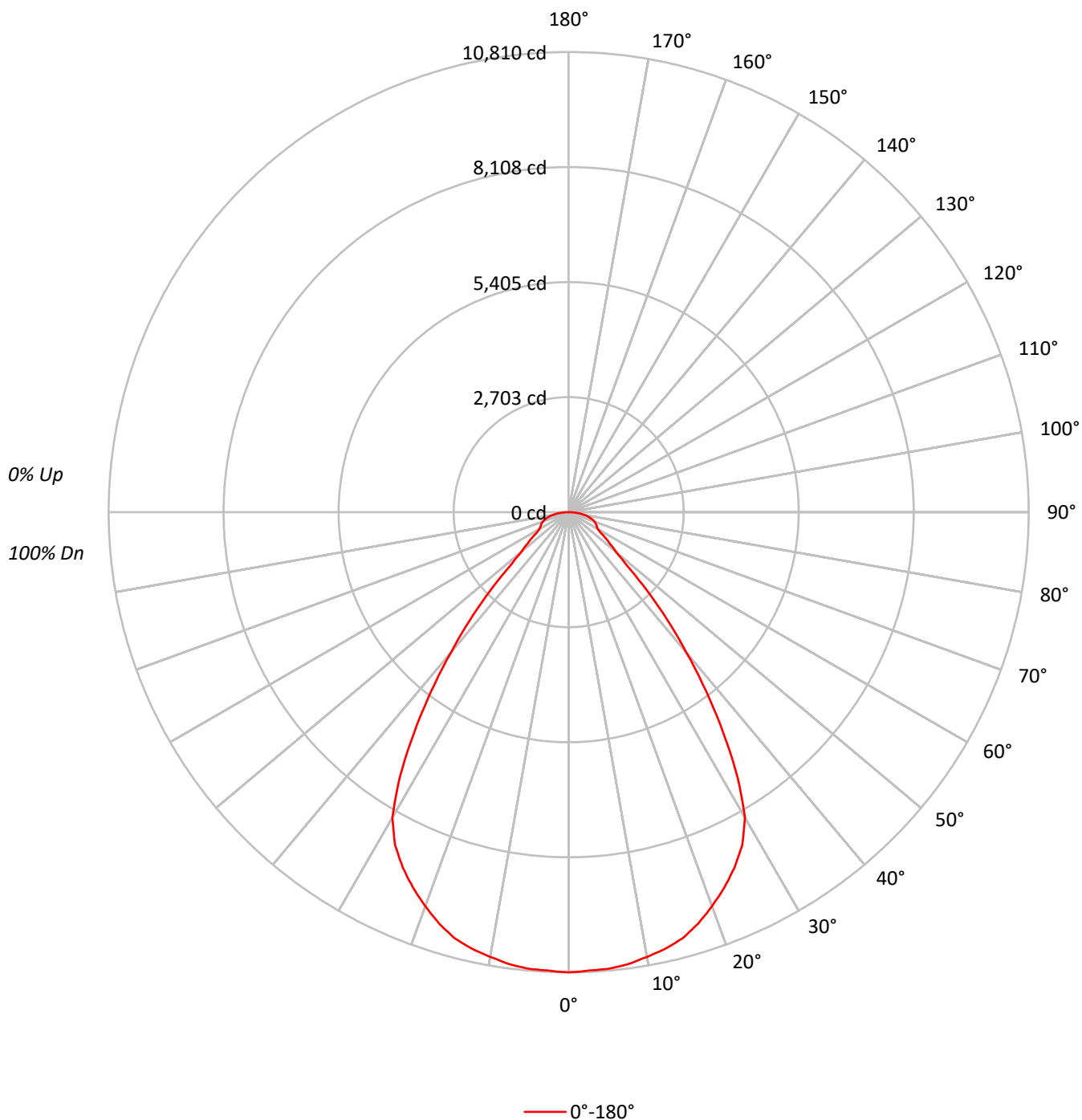
Lumens per Lamp: N/A
Luminaire Lumens: 16565.6 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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			
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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88800
5°	88781
10°	88467
15°	88101
20°	86100
25°	83520
30°	78602
35°	63584
40°	46204
45°	30173
50°	18664
55°	15036
60°	12951
65°	13932
70°	15525
75°	16793
80°	17867
85°	18247

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30173 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1022.6	6.2
10°-20°	2910.5	17.6
20°-30°	4221.3	25.5
30°-40°	3928.0	23.7
40°-50°	2054.2	12.4
50°-60°	956.5	5.8
60°-70°	711.6	4.3
70°-80°	552.0	3.3
80°-90°	208.8	1.3
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°	8154.4	49.2
0°-40°	12082.4	72.9
0°-60°	15093.1	91.1
0°-90°	16565.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16565.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10810	
5°	10767	###
15°	10360	2911
25°	9215	4221
35°	6341	3928
45°	2597	2054
55°	1050	957
65°	717	712
75°	529	552
85°	194	209
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10810.2
2.5°	10780.9
5°	10766.8
7.5°	10708.1
10°	10606.1
12.5°	10505.2
15°	10359.7
17.5°	10130.9
20°	9849.4
22.5°	9549.1
25°	9214.8
27.5°	8825.3
30°	8286.8
32.5°	7383.5
35°	6340.6
37.5°	5304.8
40°	4308.8
42.5°	3438.4
45°	2597.3
47.5°	1852.3
50°	1460.5
52.5°	1229.4
55°	1049.9
57.5°	886.9
60°	788.3
62.5°	749.6
65°	716.8
67.5°	687.4
70°	646.4
72.5°	592.4
75°	529.1
77.5°	457.5
80°	377.7
82.5°	288.6
85°	193.6
87.5°	96.2
90°	0.0

(END OF REPORT)