

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: P1504912

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504912
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-59)
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 (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

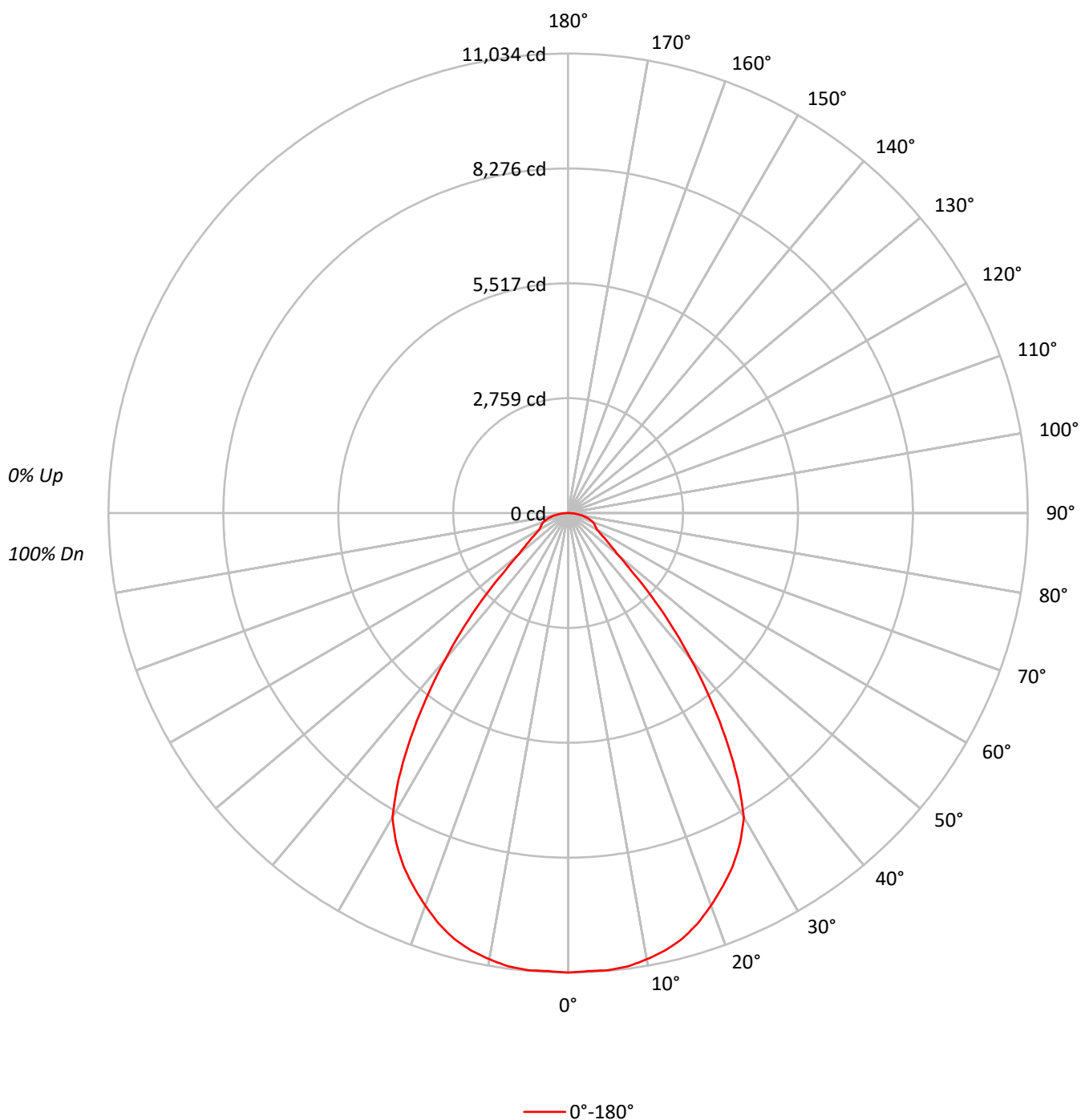
Lumens per Lamp: N/A
Luminaire Lumens: 17009.1 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.09
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	85	80	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64		
5	85	75	67	62	83	73	67	62	72	66	61	70	65	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	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	52	47	69	58	52	47	57	51	47	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	44	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89476
5°	89692
10°	89595
15°	88853
20°	86547
25°	83710
30°	78995
35°	65208
40°	48557
45°	32404
50°	19719
55°	15449
60°	13003
65°	13651
70°	14897
75°	15519
80°	15640
85°	15139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32404 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1047.4	6.2
10°-20°	2973.5	17.5
20°-30°	4286.8	25.2
30°-40°	4074.9	24.0
40°-50°	2223.6	13.1
50°-60°	999.0	5.9
60°-70°	706.9	4.2
70°-80°	517.3	3.0
80°-90°	179.7	1.1
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°	8307.7	48.8
0°-40°	12382.6	72.8
0°-60°	15605.2	91.7
0°-90°	17009.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17009.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11034	
5°	11018	###
15°	10583	2973
25°	9355	4287
35°	6587	4075
45°	2826	2224
55°	1093	999
65°	711	707
75°	495	517
85°	163	180
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11033.5
2.5°	11008.5
5°	11018.0
7.5°	10978.8
10°	10880.3
12.5°	10760.3
15°	10583.3
17.5°	10333.9
20°	10028.7
22.5°	9703.3
25°	9355.3
27.5°	8938.4
30°	8436.0
32.5°	7571.4
35°	6586.8
37.5°	5580.9
40°	4586.8
42.5°	3684.2
45°	2825.5
47.5°	2070.1
50°	1563.0
52.5°	1288.6
55°	1092.7
57.5°	919.3
60°	801.7
62.5°	750.6
65°	711.4
67.5°	675.8
70°	628.3
72.5°	565.3
75°	495.3
77.5°	418.1
80°	334.9
82.5°	250.6
85°	162.7
87.5°	79.6
90°	0.0

(END OF REPORT)