

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: P1504932

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504932
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-60)
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 (6500K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

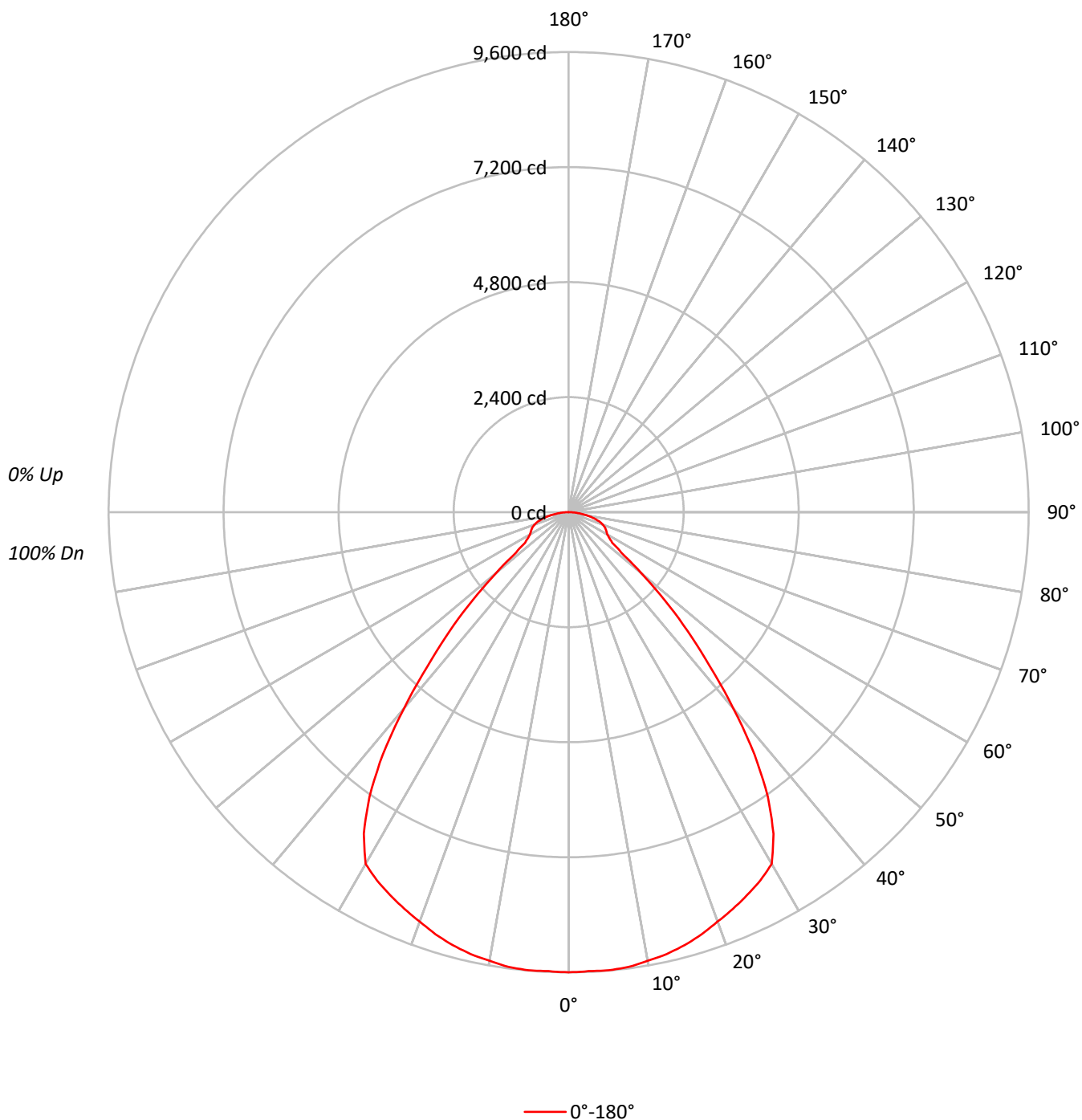
Lumens per Lamp: N/A
Luminaire Lumens: 17541.8 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1504932

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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					0
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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69			
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62			
5	83	73	65	59	82	72	64	59	70	63	59	68	62	58	66	61	57	56			
6	78	67	59	54	76	66	59	53	64	58	53	62	57	52	61	56	52	50			
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	57	51	47	46			
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42			
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38			
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77847
5°	78097
10°	78276
15°	78515
20°	78439
25°	78872
30°	79323
35°	71749
40°	56667
45°	40281
50°	24908
55°	15691
60°	15106
65°	16410
70°	17968
75°	18746
80°	17970
85°	16590

MAXIMUM LUMINANCE 45°-90°:

Luminance: 40281 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.0	5.2
10°-20°	2639.2	15.0
20°-30°	4066.4	23.2
30°-40°	4435.4	25.3
40°-50°	2720.6	15.5
50°-60°	1103.0	6.3
60°-70°	844.3	4.8
70°-80°	620.0	3.5
80°-90°	199.8	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°	7618.6	43.4
0°-40°	12054.0	68.7
0°-60°	15877.6	90.5
0°-90°	17541.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17541.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9600	
5°	9594	913
15°	9352	2639
25°	8815	4066
35°	7248	4435
45°	3512	2721
55°	1110	1103
65°	855	844
75°	598	620
85°	178	200
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9599.5
2.5°	9584.3
5°	9593.7
7.5°	9569.0
10°	9505.7
12.5°	9443.5
15°	9352.0
17.5°	9233.5
20°	9089.2
22.5°	8956.7
25°	8814.7
27.5°	8661.0
30°	8471.0
32.5°	7956.0
35°	7247.5
37.5°	6371.1
40°	5352.9
42.5°	4349.9
45°	3512.3
47.5°	2708.7
50°	1974.3
52.5°	1384.3
55°	1109.8
57.5°	1006.5
60°	931.4
62.5°	892.7
65°	855.2
67.5°	814.1
70°	757.8
72.5°	685.1
75°	598.3
77.5°	495.1
80°	384.8
82.5°	278.0
85°	178.3
87.5°	85.6
90°	0.0

(END OF REPORT)