

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: P1504776

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (4000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504776
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-54)
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-BLAK-PS (4000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

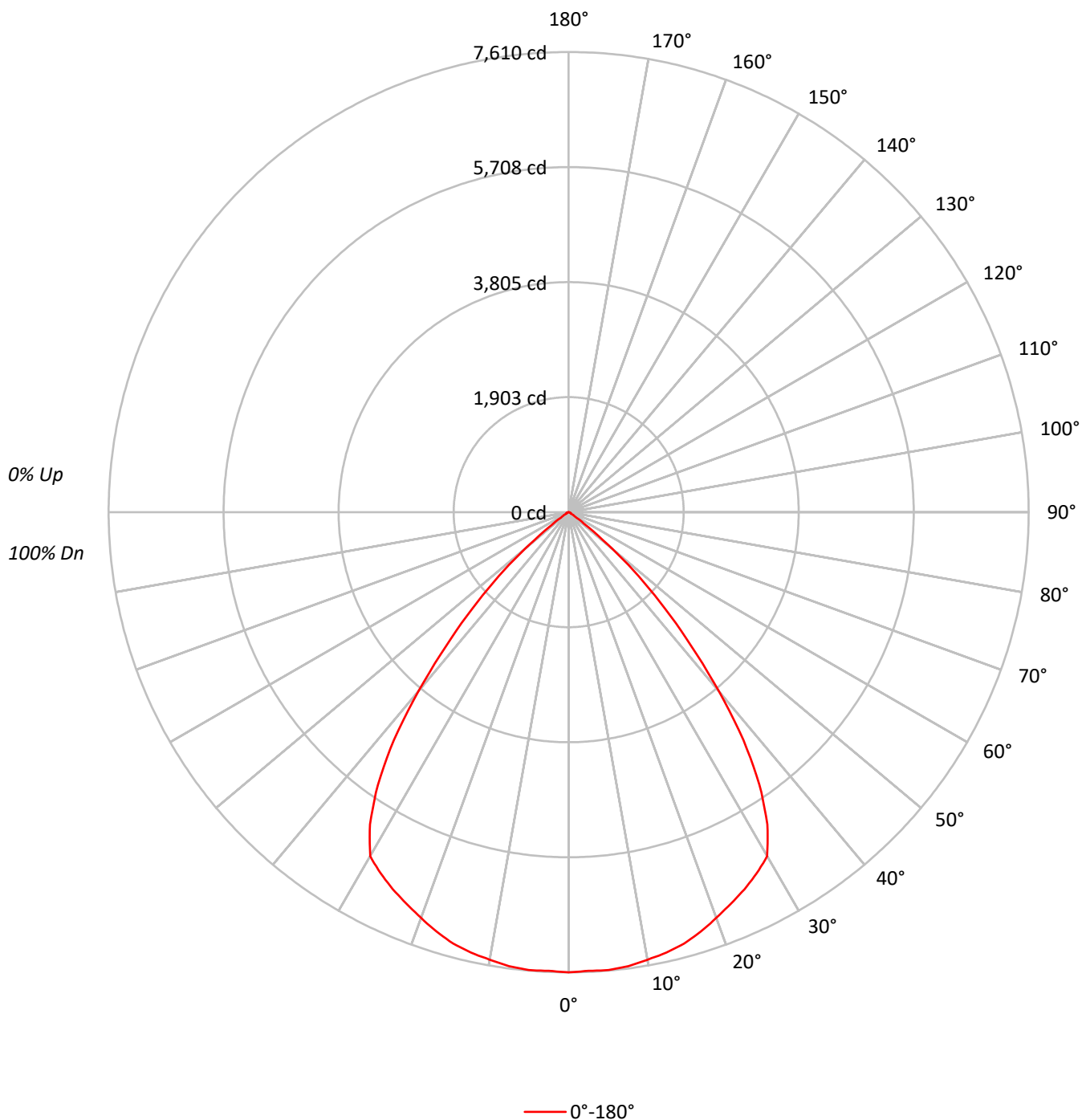
Lumens per Lamp: N/A
Luminaire Lumens: 11406.8 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.16
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 99.5
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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92							
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84							
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76							
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69							
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63							
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58							
7	78	67	60	56	76	67	60	56	65	59	55	64	59	55	63	58	55	53							
8	73	63	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49							
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45							
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61712
5°	61874
10°	61877
15°	61994
20°	61618
25°	61567
30°	61507
35°	54484
40°	40872
45°	25883
50°	11844
55°	2372
60°	874
65°	604
70°	626
75°	636
80°	616
85°	568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25883 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.7	6.3
10°-20°	2081.2	18.2
20°-30°	3172.0	27.8
30°-40°	3356.9	29.4
40°-50°	1755.3	15.4
50°-60°	256.3	2.2
60°-70°	34.5	0.3
70°-80°	21.1	0.2
80°-90°	6.8	0.1
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°	5975.9	52.4
0°-40°	9332.8	81.8
0°-60°	11344.5	99.5
0°-90°	11406.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11406.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7610	
5°	7601	723
15°	7384	2081
25°	6881	3172
35°	5504	3357
45°	2257	1755
55°	168	256
65°	32	35
75°	20	21
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7609.9
2.5°	7591.6
5°	7600.8
7.5°	7573.3
10°	7514.3
12.5°	7461.4
15°	7384.1
17.5°	7271.2
20°	7140.0
22.5°	7007.8
25°	6880.7
27.5°	6735.2
30°	6568.4
32.5°	6119.9
35°	5503.5
37.5°	4748.8
40°	3860.9
42.5°	2999.4
45°	2256.9
47.5°	1568.4
50°	938.8
52.5°	407.9
55°	167.8
57.5°	100.7
60°	53.9
62.5°	39.7
65°	31.5
67.5°	28.5
70°	26.4
72.5°	23.4
75°	20.3
77.5°	16.3
80°	13.2
82.5°	9.2
85°	6.1
87.5°	3.1
90°	0.0

(END OF REPORT)