

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: P1504764

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504764
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 (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

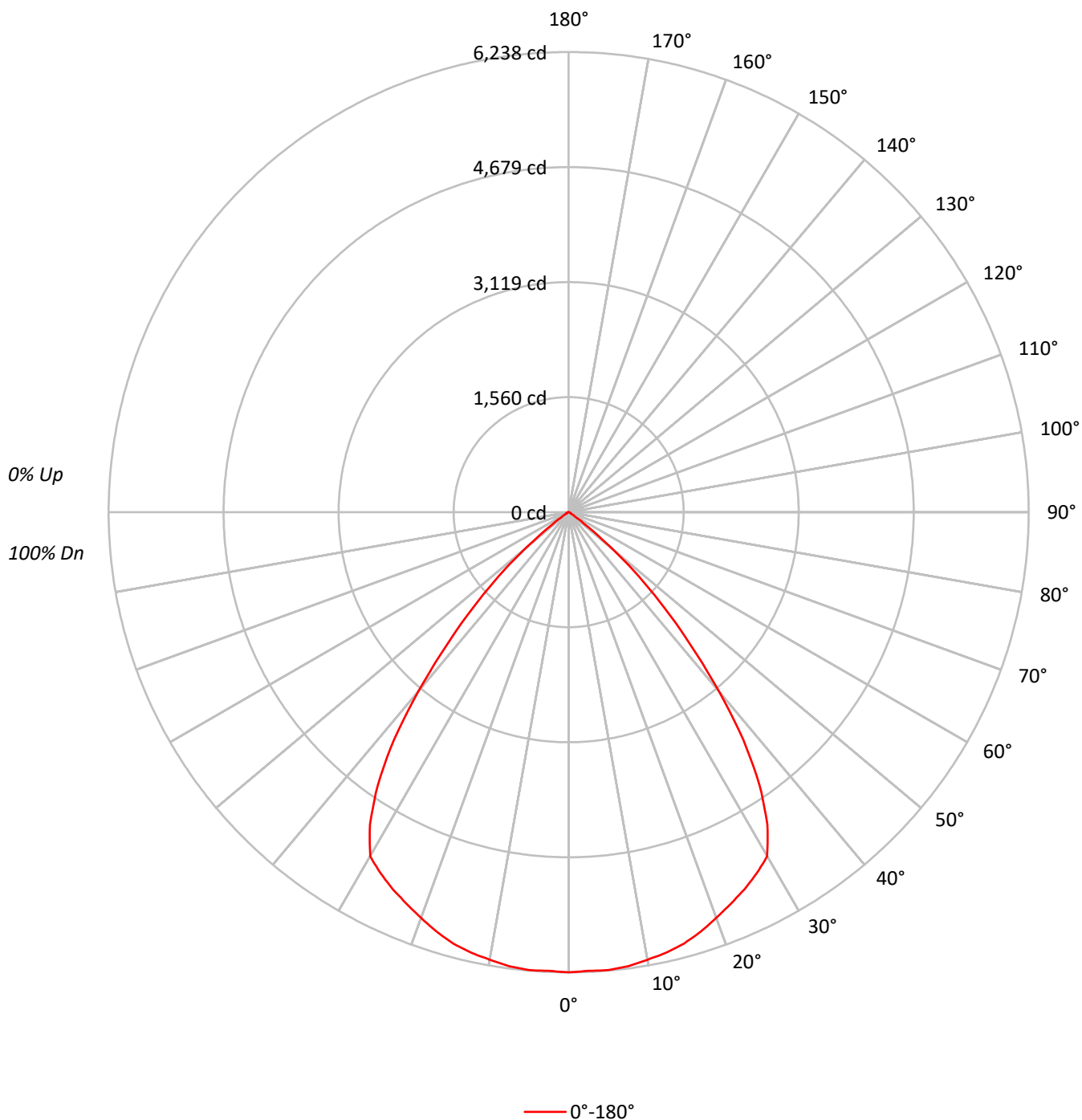
Lumens per Lamp: N/A
Luminaire Lumens: 9350.0 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.16
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
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°	50585
5°	50717
10°	50720
15°	50815
20°	50508
25°	50466
30°	50416
35°	44659
40°	33502
45°	21217
50°	9708
55°	1945
60°	717
65°	495
70°	515
75°	523
80°	504
85°	465

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21217 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.4	6.3
10°-20°	1705.9	18.2
20°-30°	2600.1	27.8
30°-40°	2751.6	29.4
40°-50°	1438.8	15.4
50°-60°	210.1	2.2
60°-70°	28.3	0.3
70°-80°	17.3	0.2
80°-90°	5.6	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°	4898.3	52.4
0°-40°	7649.9	81.8
0°-60°	9298.9	99.5
0°-90°	9350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9350.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6238	
5°	6230	592
15°	6053	1706
25°	5640	2600
35°	4511	2752
45°	1850	1439
55°	138	210
65°	26	28
75°	17	17
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6237.7
2.5°	6222.7
5°	6230.2
7.5°	6207.7
10°	6159.4
12.5°	6116.0
15°	6052.6
17.5°	5960.1
20°	5852.6
22.5°	5744.2
25°	5640.0
27.5°	5520.7
30°	5384.0
32.5°	5016.4
35°	4511.1
37.5°	3892.5
40°	3164.7
42.5°	2458.6
45°	1850.0
47.5°	1285.6
50°	769.5
52.5°	334.3
55°	137.6
57.5°	82.5
60°	44.2
62.5°	32.5
65°	25.8
67.5°	23.3
70°	21.7
72.5°	19.2
75°	16.7
77.5°	13.3
80°	10.8
82.5°	7.5
85°	5.0
87.5°	2.5
90°	0.0

(END OF REPORT)