

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: P1504430

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504430
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-40)
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-BLAK-PS (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

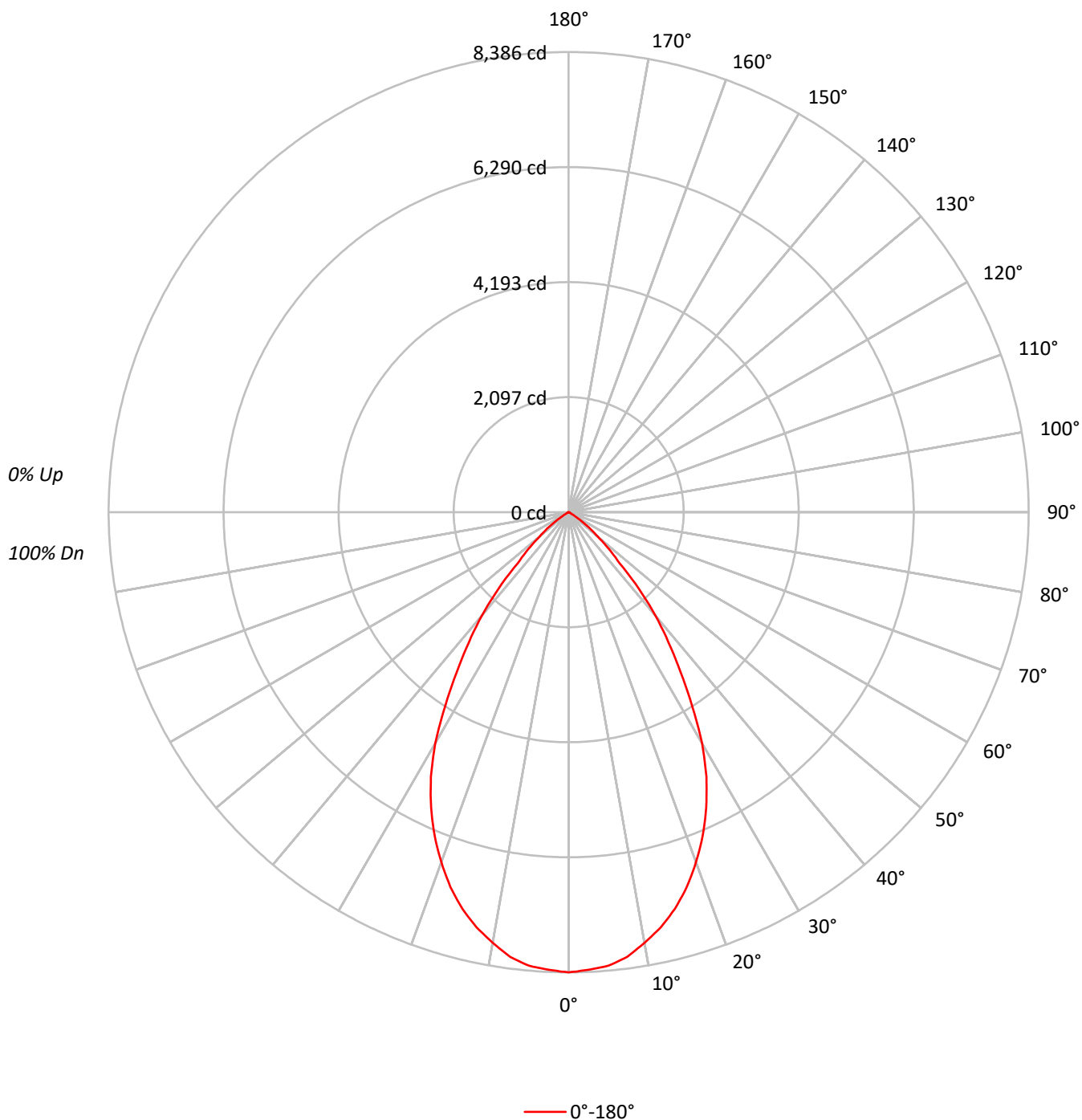
Lumens per Lamp: N/A
Luminaire Lumens: 9233.5 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68891
5°	68420
10°	66483
15°	63641
20°	59337
25°	53790
30°	46159
35°	35632
40°	26337
45°	15206
50°	8694
55°	4186
60°	905
65°	328
70°	365
75°	403
80°	402
85°	396

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15206 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	781.6	8.5
10°-20°	2093.1	22.7
20°-30°	2703.0	29.3
30°-40°	2230.8	24.2
40°-50°	1100.2	11.9
50°-60°	283.1	3.1
60°-70°	23.6	0.3
70°-80°	13.2	0.1
80°-90°	4.8	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°	5577.6	60.4
0°-40°	7808.5	84.6
0°-60°	9191.8	99.5
0°-90°	9233.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9233.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8386	
5°	8298	782
15°	7483	2093
25°	5935	2703
35°	3553	2231
45°	1309	1100
55°	292	283
65°	17	24
75°	13	13
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8386.5
2.5°	8347.5
5°	8297.5
7.5°	8173.0
10°	7970.5
12.5°	7749.4
15°	7483.4
17.5°	7163.1
20°	6787.8
22.5°	6383.7
25°	5934.7
27.5°	5436.5
30°	4866.4
32.5°	4186.9
35°	3553.2
37.5°	2990.6
40°	2456.1
42.5°	1904.5
45°	1308.9
47.5°	998.9
50°	680.3
52.5°	495.6
55°	292.3
57.5°	132.2
60°	55.1
62.5°	28.0
65°	16.9
67.5°	16.1
70°	15.2
72.5°	14.4
75°	12.7
77.5°	11.0
80°	8.5
82.5°	6.8
85°	4.2
87.5°	2.5
90°	0.0

(END OF REPORT)