

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: P1504409

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504409
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 (3500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

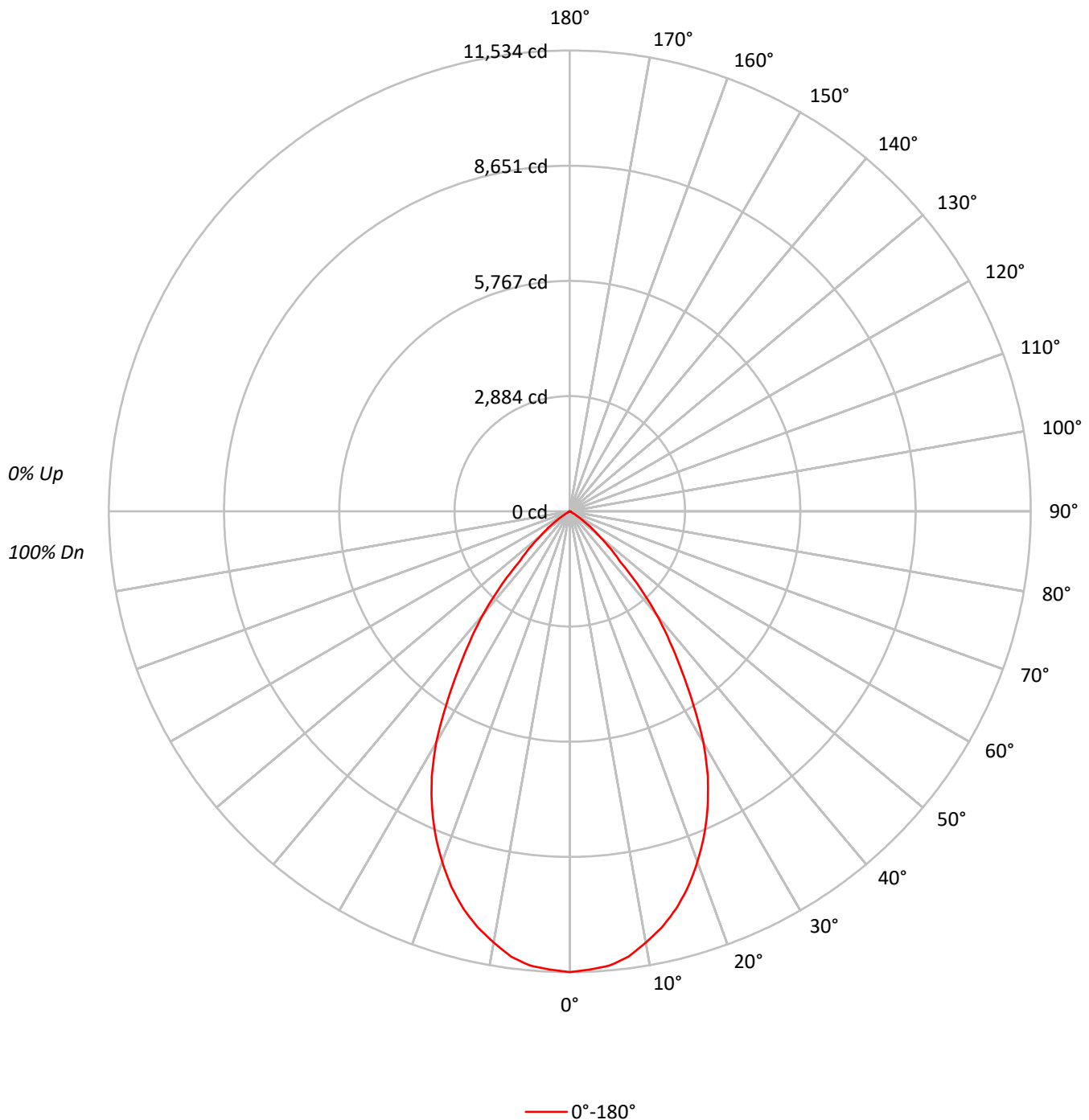
Lumens per Lamp: N/A
Luminaire Lumens: 12699.4 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 120.7
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					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	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°	94750
5°	94102
10°	91439
15°	87529
20°	81609
25°	73980
30°	63485
35°	49006
40°	36223
45°	20914
50°	11958
55°	5757
60°	1244
65°	453
70°	504
75°	555
80°	553
85°	547

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20914 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1075.0	8.5
10°-20°	2878.7	22.7
20°-30°	3717.5	29.3
30°-40°	3068.2	24.2
40°-50°	1513.2	11.9
50°-60°	389.4	3.1
60°-70°	32.5	0.3
70°-80°	18.1	0.1
80°-90°	6.7	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°	7671.3	60.4
0°-40°	10739.5	84.6
0°-60°	12642.1	99.5
0°-90°	12699.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12699.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11534	
5°	11412	###
15°	10292	2879
25°	8162	3718
35°	4887	3068
45°	1800	1513
55°	402	389
65°	23	33
75°	18	18
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11534.5
2.5°	11480.9
5°	11412.1
7.5°	11240.9
10°	10962.4
12.5°	10658.2
15°	10292.4
17.5°	9851.9
20°	9335.7
22.5°	8779.9
25°	8162.3
27.5°	7477.2
30°	6693.0
32.5°	5758.5
35°	4886.9
37.5°	4113.2
40°	3378.0
42.5°	2619.4
45°	1800.3
47.5°	1373.8
50°	935.7
52.5°	681.7
55°	402.0
57.5°	181.8
60°	75.7
62.5°	38.5
65°	23.3
67.5°	22.1
70°	21.0
72.5°	19.8
75°	17.5
77.5°	15.1
80°	11.7
82.5°	9.3
85°	5.8
87.5°	3.5
90°	0.0

(END OF REPORT)