

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: P1504427

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504427
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 (5000K_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

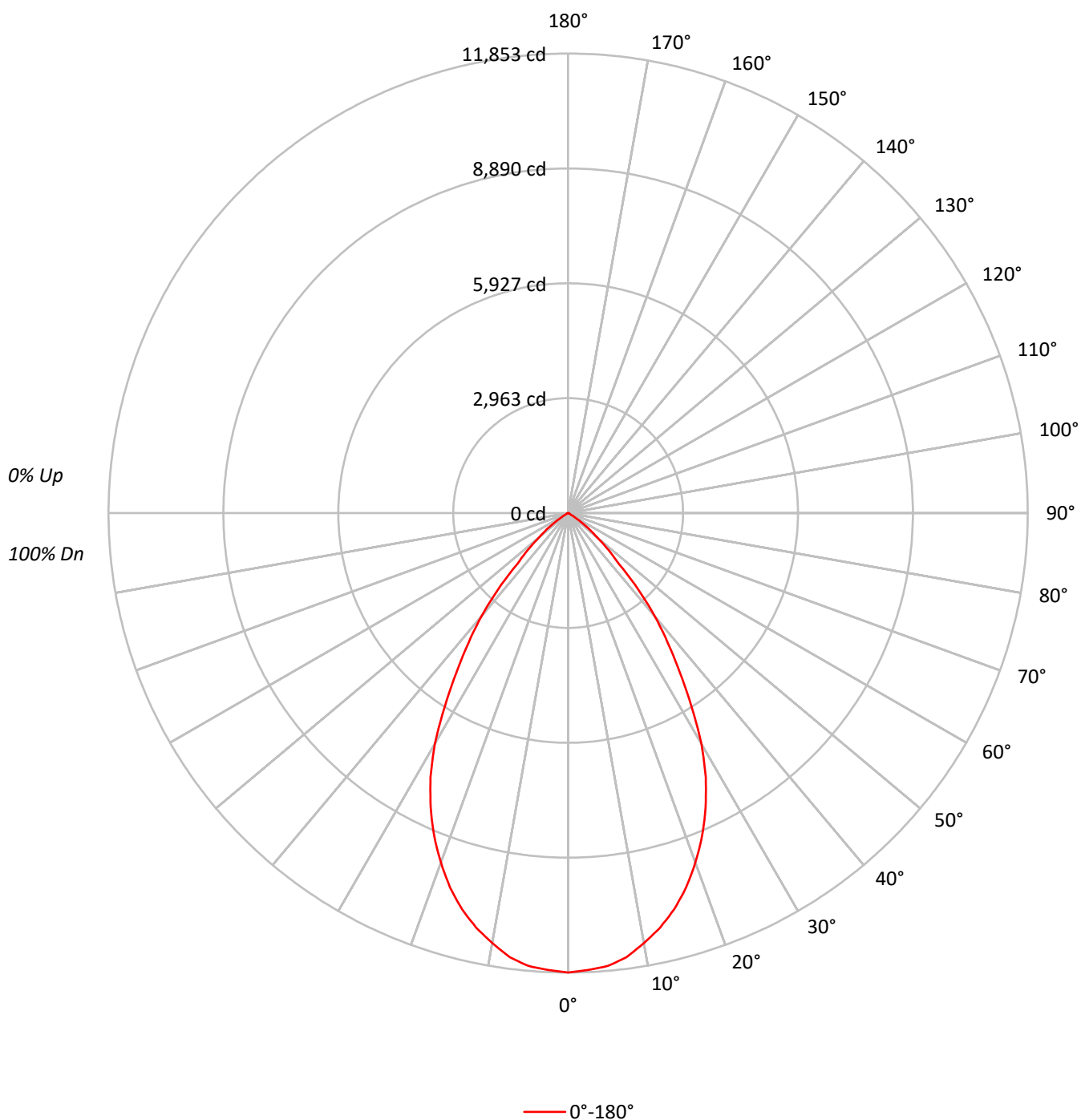
Lumens per Lamp: N/A
Luminaire Lumens: 13050.4 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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	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°	97368
5°	96703
10°	93966
15°	89948
20°	83865
25°	76025
30°	65240
35°	50361
40°	37224
45°	21491
50°	12287
55°	5916
60°	1278
65°	465
70°	519
75°	571
80°	568
85°	566

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21491 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1104.7	8.5
10°-20°	2958.3	22.7
20°-30°	3820.3	29.3
30°-40°	3153.0	24.2
40°-50°	1555.0	11.9
50°-60°	400.1	3.1
60°-70°	33.4	0.3
70°-80°	18.7	0.1
80°-90°	6.9	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°	7883.3	60.4
0°-40°	11036.3	84.6
0°-60°	12991.4	99.5
0°-90°	13050.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13050.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11853	
5°	11728	###
15°	10577	2958
25°	8388	3820
35°	5022	3153
45°	1850	1555
55°	413	400
65°	24	33
75°	18	19
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11853.2
2.5°	11798.2
5°	11727.5
7.5°	11551.5
10°	11265.3
12.5°	10952.8
15°	10576.8
17.5°	10124.2
20°	9593.7
22.5°	9022.6
25°	8387.9
27.5°	7683.8
30°	6878.0
32.5°	5917.6
35°	5022.0
37.5°	4226.9
40°	3471.3
42.5°	2691.8
45°	1850.0
47.5°	1411.8
50°	961.5
52.5°	700.5
55°	413.1
57.5°	186.8
60°	77.8
62.5°	39.5
65°	23.9
67.5°	22.8
70°	21.6
72.5°	20.4
75°	18.0
77.5°	15.6
80°	12.0
82.5°	9.6
85°	6.0
87.5°	3.6
90°	0.0

(END OF REPORT)