

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: P1504417

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504417
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-41)
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 (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

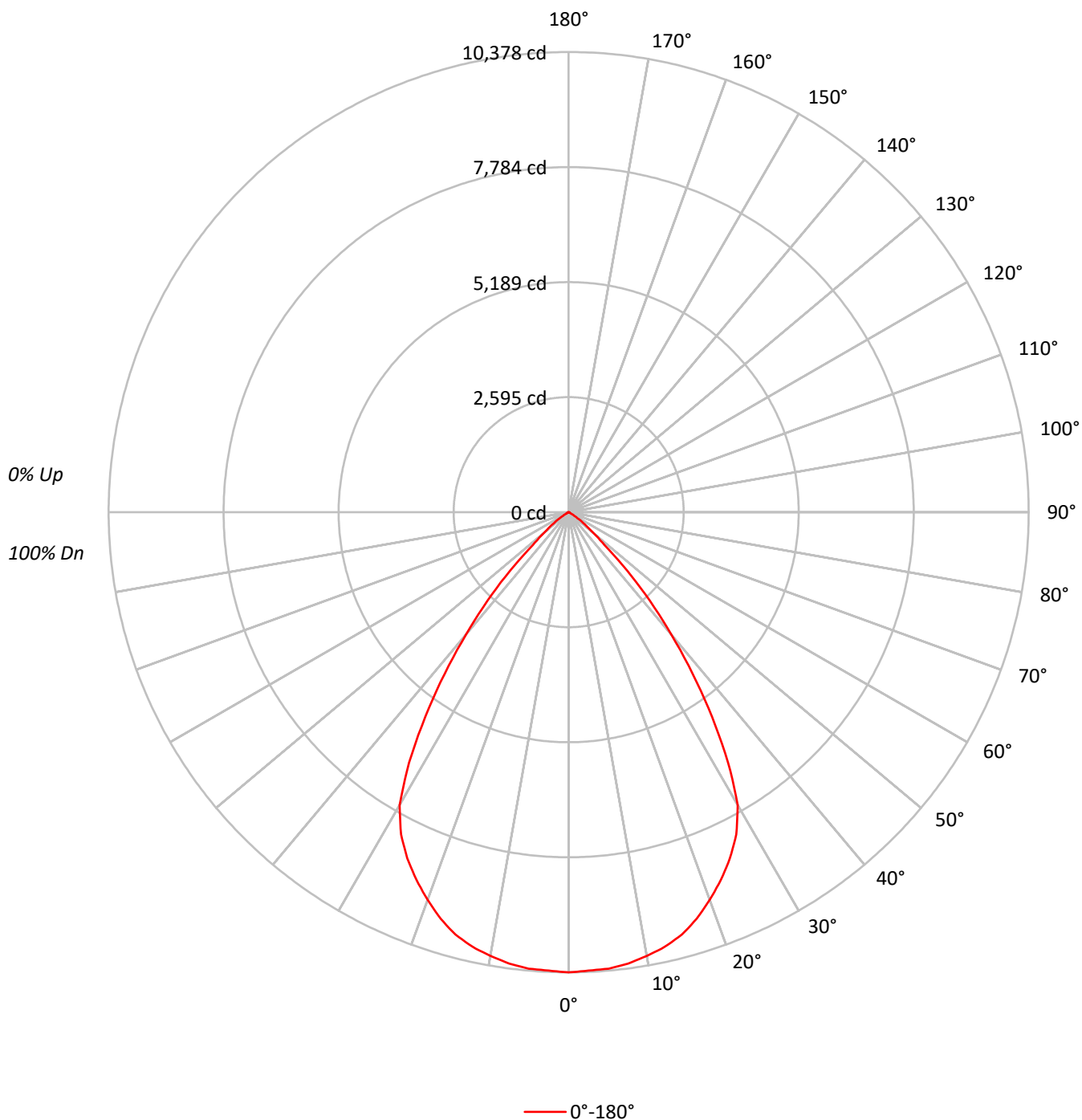
Lumens per Lamp: N/A
Luminaire Lumens: 13024.1 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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	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	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71			
5	90	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66			
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60			
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56			
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	56	53	52			
9	71	61	54	50	70	60	54	50	59	54	50	58	53	49	57	53	49	48			
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85249
5°	85212
10°	84741
15°	83893
20°	81313
25°	78044
30°	72346
35°	56537
40°	38589
45°	21634
50°	9303
55°	4405
60°	1073
65°	531
70°	598
75°	641
80°	676
85°	669

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21634 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	980.8	7.5
10°-20°	2768.7	21.3
20°-30°	3939.9	30.3
30°-40°	3490.4	26.8
40°-50°	1485.2	11.4
50°-60°	295.8	2.3
60°-70°	33.9	0.3
70°-80°	21.2	0.2
80°-90°	8.1	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°	7689.5	59.0
0°-40°	11179.9	85.8
0°-60°	12960.8	99.5
0°-90°	13024.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13024.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10378	
5°	10334	981
15°	9865	2769
25°	8611	3940
35°	5638	3490
45°	1862	1485
55°	308	296
65°	27	34
75°	20	21
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10377.9
2.5°	10347.0
5°	10333.9
7.5°	10269.8
10°	10159.3
12.5°	10038.2
15°	9864.8
17.5°	9610.6
20°	9301.8
22.5°	8975.2
25°	8610.6
27.5°	8189.0
30°	7627.2
32.5°	6697.3
35°	5637.9
37.5°	4596.3
40°	3598.6
42.5°	2712.6
45°	1862.3
47.5°	1097.4
50°	728.0
52.5°	489.3
55°	307.6
57.5°	150.8
60°	65.3
62.5°	39.2
65°	27.3
67.5°	26.1
70°	24.9
72.5°	22.6
75°	20.2
77.5°	17.8
80°	14.3
82.5°	11.9
85°	7.1
87.5°	3.6
90°	0.0

(END OF REPORT)