

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: P1504418

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (4000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504418
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 (4000K_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

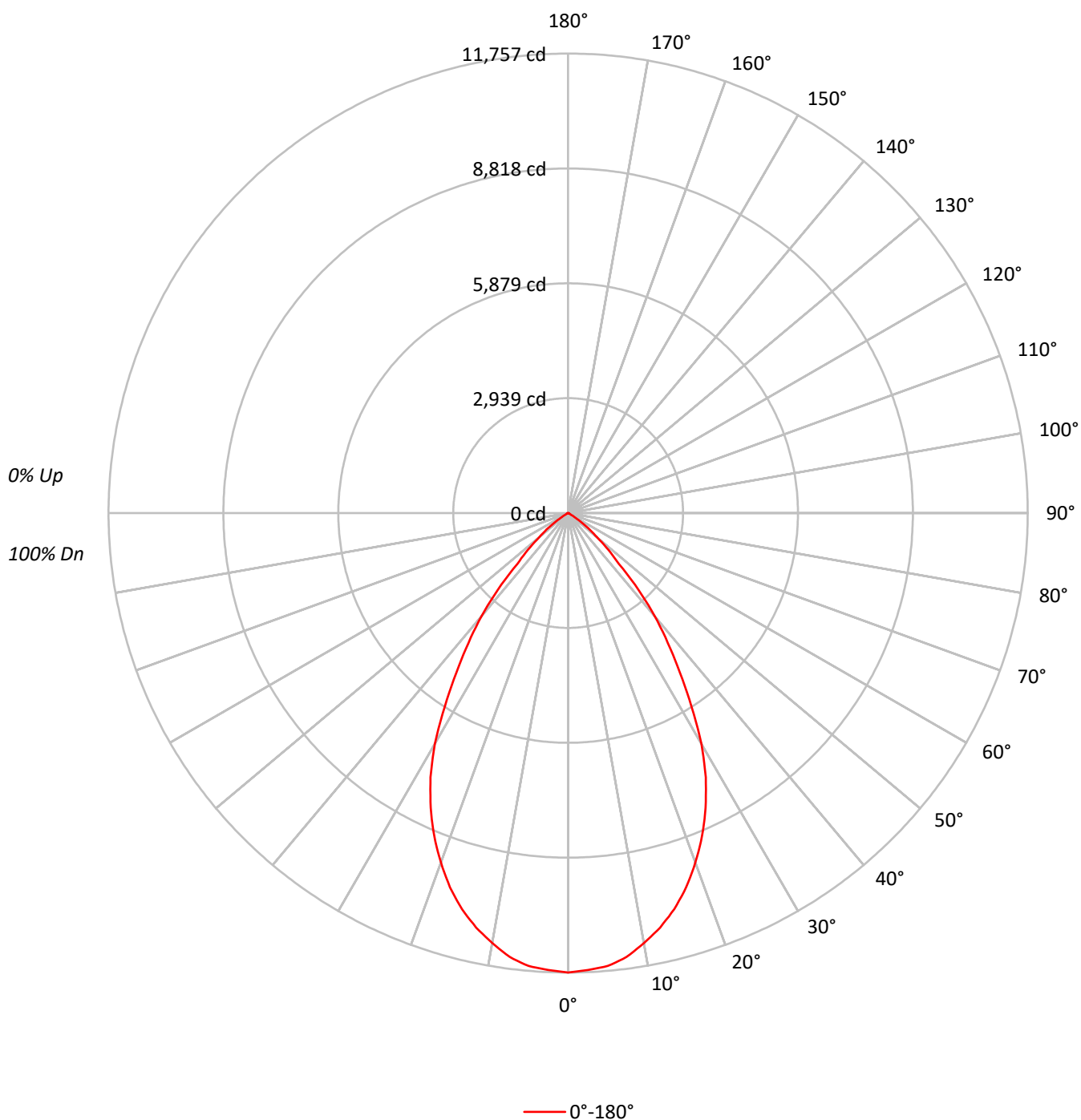
Lumens per Lamp: N/A
Luminaire Lumens: 12944.2 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	96576
5°	95916
10°	93201
15°	89215
20°	83182
25°	75406
30°	64708
35°	49951
40°	36921
45°	21317
50°	12188
55°	5868
60°	1268
65°	463
70°	514
75°	565
80°	563
85°	556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21317 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1095.8	8.5
10°-20°	2934.2	22.7
20°-30°	3789.2	29.3
30°-40°	3127.3	24.2
40°-50°	1542.4	11.9
50°-60°	396.9	3.1
60°-70°	33.2	0.3
70°-80°	18.5	0.1
80°-90°	6.8	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°	7819.1	60.4
0°-40°	10946.4	84.6
0°-60°	12885.7	99.5
0°-90°	12944.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12944.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11757	
5°	11632	###
15°	10491	2934
25°	8320	3789
35°	4981	3127
45°	1835	1542
55°	410	397
65°	24	33
75°	18	18
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11756.8
2.5°	11702.1
5°	11632.1
7.5°	11457.5
10°	11173.6
12.5°	10863.6
15°	10490.7
17.5°	10041.8
20°	9515.6
22.5°	8949.1
25°	8319.6
27.5°	7621.3
30°	6822.0
32.5°	5869.5
35°	4981.1
37.5°	4192.5
40°	3443.1
42.5°	2669.9
45°	1835.0
47.5°	1400.3
50°	953.7
52.5°	694.8
55°	409.7
57.5°	185.3
60°	77.2
62.5°	39.2
65°	23.8
67.5°	22.6
70°	21.4
72.5°	20.2
75°	17.8
77.5°	15.4
80°	11.9
82.5°	9.5
85°	5.9
87.5°	3.6
90°	0.0

(END OF REPORT)