

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: P1504406

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504406
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_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

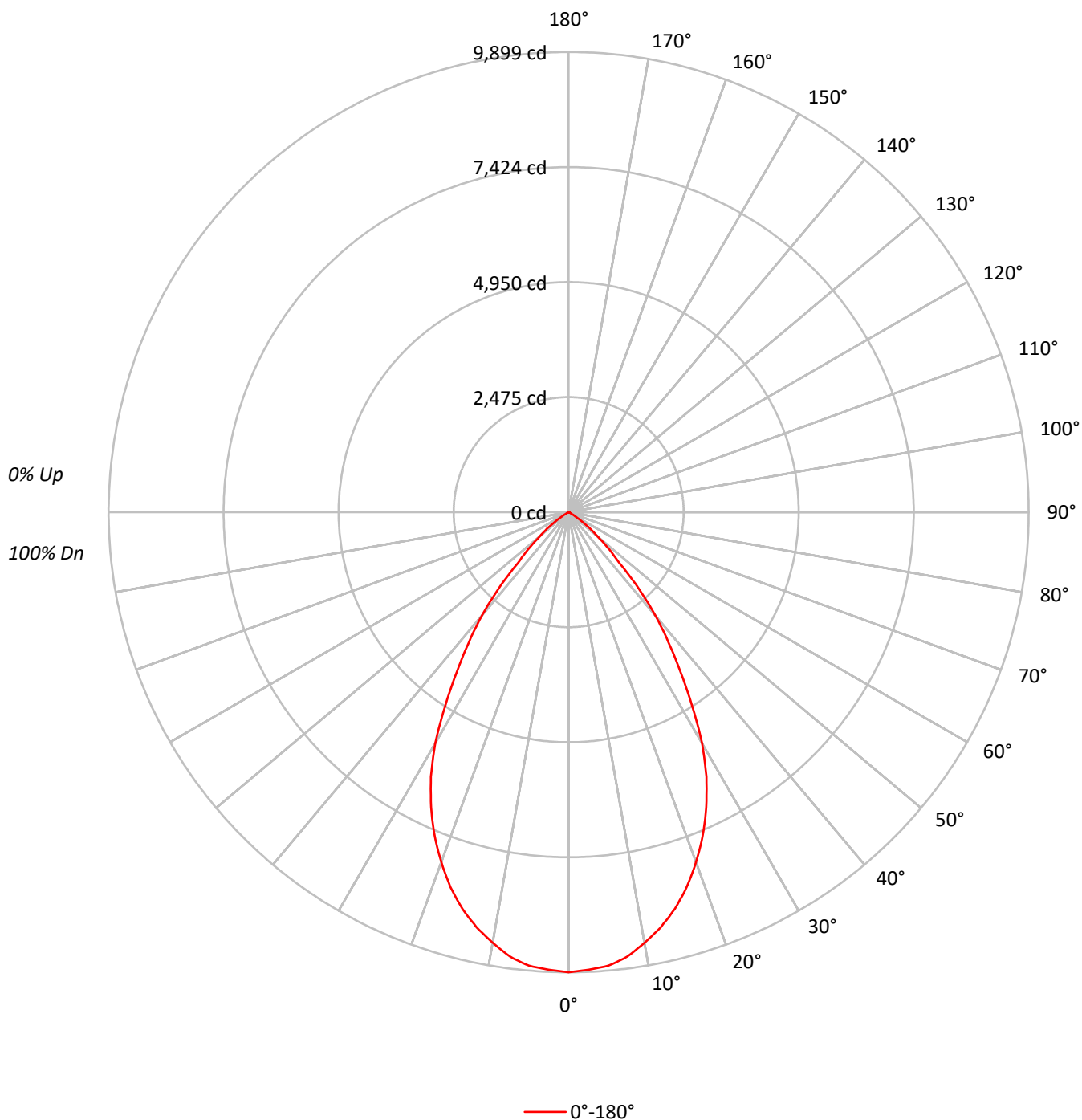
Lumens per Lamp: N/A
Luminaire Lumens: 10898.7 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 100.4
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°	81315
5°	80760
10°	78474
15°	75118
20°	70038
25°	63491
30°	54483
35°	42057
40°	31087
45°	17948
50°	10262
55°	4941
60°	1068
65°	389
70°	432
75°	476
80°	473
85°	471

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	922.6	8.5
10°-20°	2470.5	22.7
20°-30°	3190.4	29.3
30°-40°	2633.1	24.2
40°-50°	1298.6	11.9
50°-60°	334.2	3.1
60°-70°	27.9	0.3
70°-80°	15.6	0.1
80°-90°	5.7	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°	6583.6	60.4
0°-40°	9216.7	84.6
0°-60°	10849.5	99.5
0°-90°	10898.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10898.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9899	
5°	9794	923
15°	8833	2471
25°	7005	3190
35°	4194	2633
45°	1545	1299
55°	345	334
65°	20	28
75°	15	16
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9899
2.5°	9853
5°	9794
7.5°	9647
10°	9408
12.5°	9147
15°	8833
17.5°	8455
20°	8012
22.5°	7535
25°	7005
27.5°	6417
30°	5744
32.5°	4942
35°	4194
37.5°	3530
40°	2899
42.5°	2248
45°	1545
47.5°	1179
50°	803
52.5°	585
55°	345
57.5°	156
60°	65
62.5°	33
65°	20
67.5°	19
70°	18
72.5°	17
75°	15
77.5°	13
80°	10
82.5°	8
85°	5
87.5°	3
90°	0

(END OF REPORT)