

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: P1504577

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504577
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-28)
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-B-04-BLAK-PS (3000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

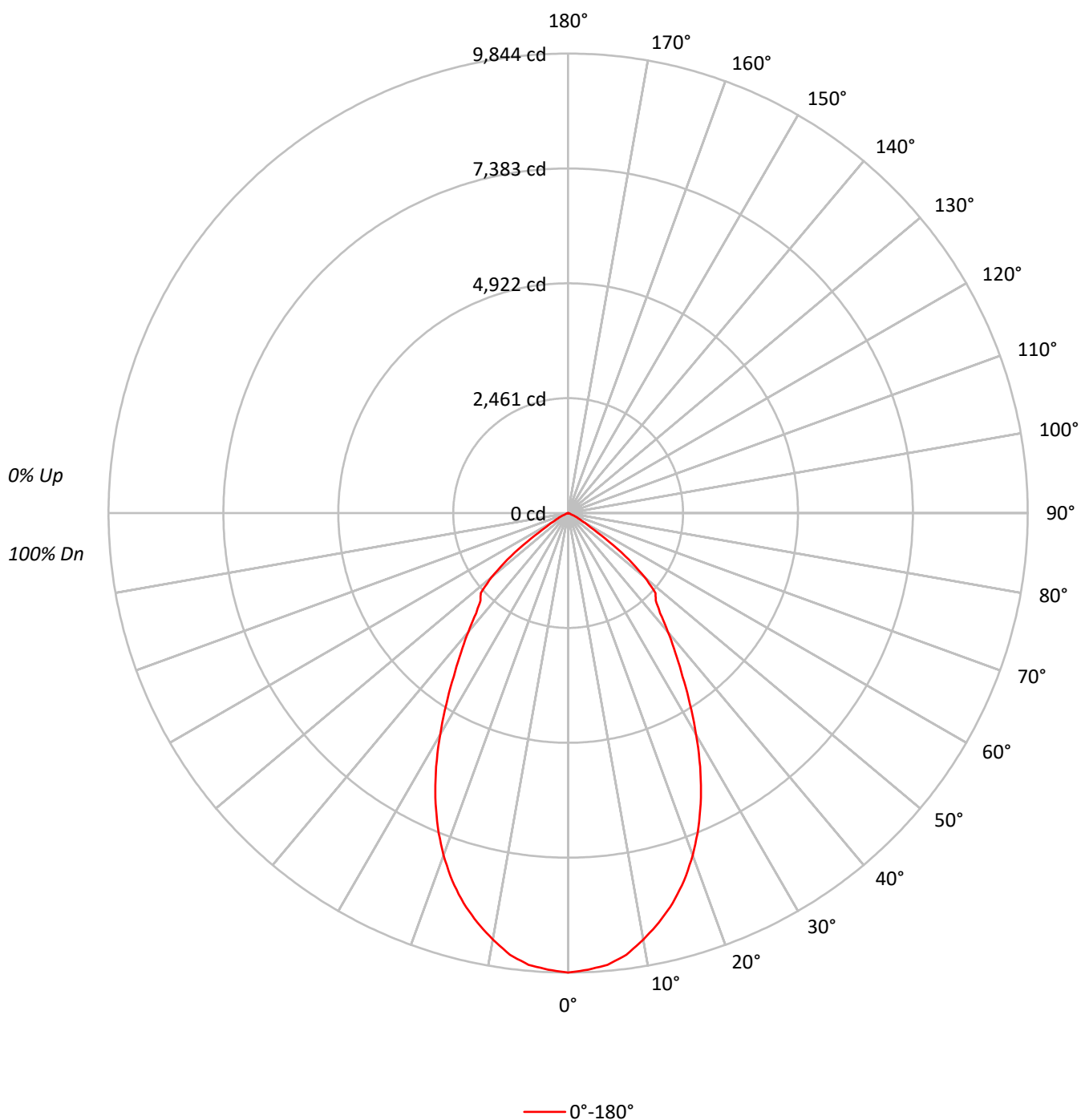
Lumens per Lamp: N/A
Luminaire Lumens: 12354.5 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 102.3
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			
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	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51		
8	72	61	54	50	71	61	54	49	59	53	49	58	53	49	57	52	49	47		
9	68	57	50	46	67	57	50	46	56	50	45	55	49	45	54	49	45	44		
10	65	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85207
5°	84398
10°	81535
15°	77518
20°	71849
25°	64261
30°	54782
35°	45143
40°	37571
45°	32459
50°	28835
55°	16187
60°	6575
65°	2771
70°	734
75°	291
80°	339
85°	288

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 32524 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.4	7.4
10°-20°	2419.0	19.6
20°-30°	3067.9	24.8
30°-40°	2690.2	21.8
40°-50°	2088.2	16.9
50°-60°	1000.9	8.1
60°-70°	159.3	1.3
70°-80°	12.1	0.1
80°-90°	3.5	0.0
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°	6400.2	51.8
0°-40°	9090.4	73.6
0°-60°	12179.6	98.6
0°-90°	12354.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12354.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9844	
5°	9714	913
15°	8651	2419
25°	6729	3068
35°	4272	2690
45°	2652	2088
55°	1073	1001
65°	135	159
75°	9	12
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	9844.3
2.5°	9791.1
5°	9713.8
7.5°	9543.7
10°	9277.0
12.5°	8984.2
15°	8650.8
17.5°	8259.5
20°	7800.4
22.5°	7294.1
25°	6728.7
27.5°	6120.9
30°	5481.2
32.5°	4854.0
35°	4272.3
37.5°	3768.8
40°	3325.2
42.5°	2917.4
45°	2651.7
47.5°	2538.6
50°	2141.4
52.5°	1647.6
55°	1072.7
57.5°	555.7
60°	379.8
62.5°	244.5
65°	135.3
67.5°	66.7
70°	29.0
72.5°	11.6
75°	8.7
77.5°	7.7
80°	6.8
82.5°	4.8
85°	2.9
87.5°	1.9
90°	0.0

(END OF REPORT)