

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: P1504603

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504603
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-29)
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 (5000K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

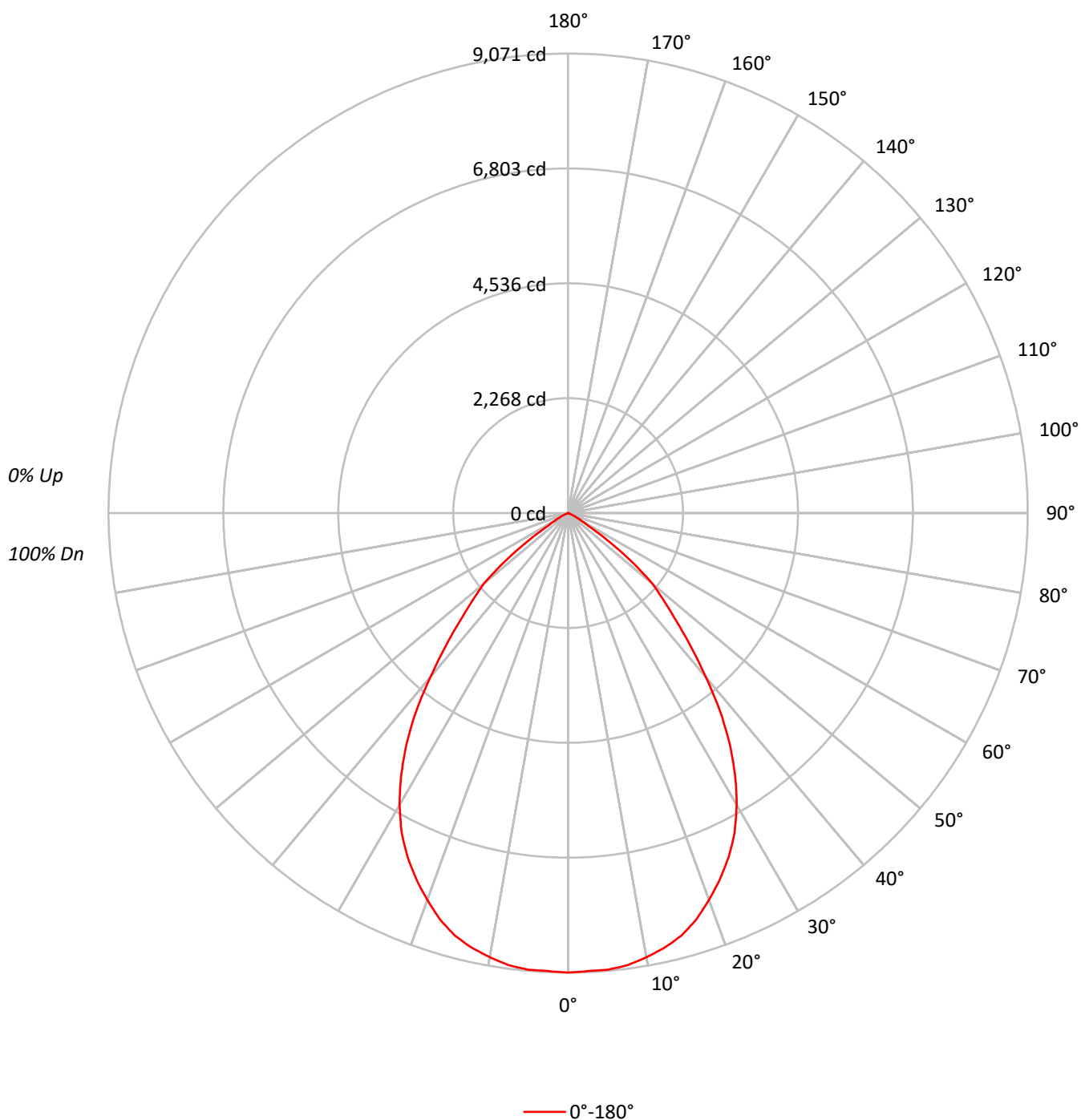
Lumens per Lamp: N/A
Luminaire Lumens: 13616.3 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.12
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 100.1
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	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	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74							
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67							
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61							
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55							
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50							
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46							
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43							
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78515
5°	78610
10°	78249
15°	77373
20°	74861
25°	71570
30°	66491
35°	58710
40°	47761
45°	37017
50°	29212
55°	14985
60°	5233
65°	2267
70°	673
75°	341
80°	359
85°	407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	859.1	6.3
10°-20°	2423.2	17.8
20°-30°	3431.6	25.2
30°-40°	3433.5	25.2
40°-50°	2375.2	17.4
50°-60°	948.8	7.0
60°-70°	127.8	0.9
70°-80°	12.8	0.1
80°-90°	4.3	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°	6714.0	49.3
0°-40°	10147.5	74.5
0°-60°	13471.4	98.9
0°-90°	13616.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13616.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9071	
5°	9048	859
15°	8635	2423
25°	7494	3432
35°	5556	3434
45°	3024	2375
55°	993	949
65°	111	128
75°	10	13
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9071.2
2.5°	9050.7
5°	9047.6
7.5°	9002.5
10°	8903.1
12.5°	8789.4
15°	8634.6
17.5°	8411.2
20°	8127.4
22.5°	7825.1
25°	7494.1
27.5°	7115.9
30°	6652.8
32.5°	6131.1
35°	5556.3
37.5°	4924.0
40°	4227.1
42.5°	3592.8
45°	3024.1
47.5°	2565.0
50°	2169.4
52.5°	1613.0
55°	993.0
57.5°	466.3
60°	302.3
62.5°	192.7
65°	110.7
67.5°	54.3
70°	26.6
72.5°	12.3
75°	10.2
77.5°	9.2
80°	7.2
82.5°	6.1
85°	4.1
87.5°	2.0
90°	0.0

(END OF REPORT)