

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: P1504595

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504595
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

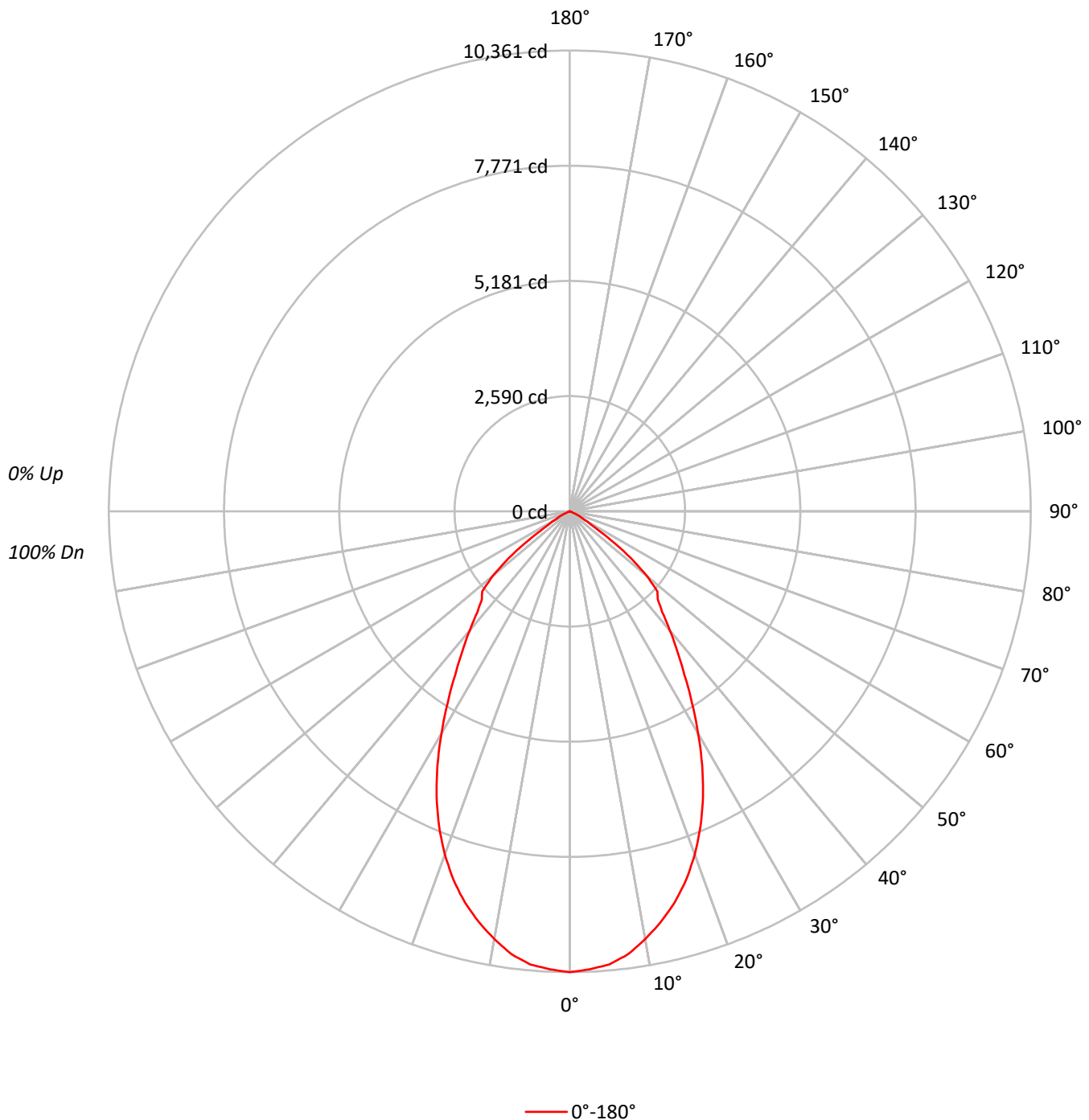
Lumens per Lamp: N/A
Luminaire Lumens: 13003.1 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 99.5
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	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°	89681
5°	88830
10°	85816
15°	81588
20°	75622
25°	67635
30°	57658
35°	47513
40°	39544
45°	34162
50°	30350
55°	17037
60°	6919
65°	2916
70°	772
75°	308
80°	354
85°	308

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 34232 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	961.3	7.4
10°-20°	2546.0	19.6
20°-30°	3228.9	24.8
30°-40°	2831.5	21.8
40°-50°	2197.9	16.9
50°-60°	1053.5	8.1
60°-70°	167.6	1.3
70°-80°	12.7	0.1
80°-90°	3.7	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°	6736.3	51.8
0°-40°	9567.7	73.6
0°-60°	12819.1	98.6
0°-90°	13003.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13003.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10361	
5°	10224	961
15°	9105	2546
25°	7082	3229
35°	4497	2831
45°	2791	2198
55°	1129	1053
65°	142	168
75°	9	13
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10361.2
2.5°	10305.2
5°	10223.8
7.5°	10044.8
10°	9764.1
12.5°	9455.9
15°	9105.0
17.5°	8693.1
20°	8210.0
22.5°	7677.0
25°	7082.0
27.5°	6442.3
30°	5769.0
32.5°	5108.9
35°	4496.6
37.5°	3966.7
40°	3499.8
42.5°	3070.6
45°	2790.9
47.5°	2671.9
50°	2253.9
52.5°	1734.1
55°	1129.0
57.5°	584.8
60°	399.7
62.5°	257.3
65°	142.4
67.5°	70.2
70°	30.5
72.5°	12.2
75°	9.2
77.5°	8.1
80°	7.1
82.5°	5.1
85°	3.1
87.5°	2.0
90°	0.0

(END OF REPORT)