

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: P1504594

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (4000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504594
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

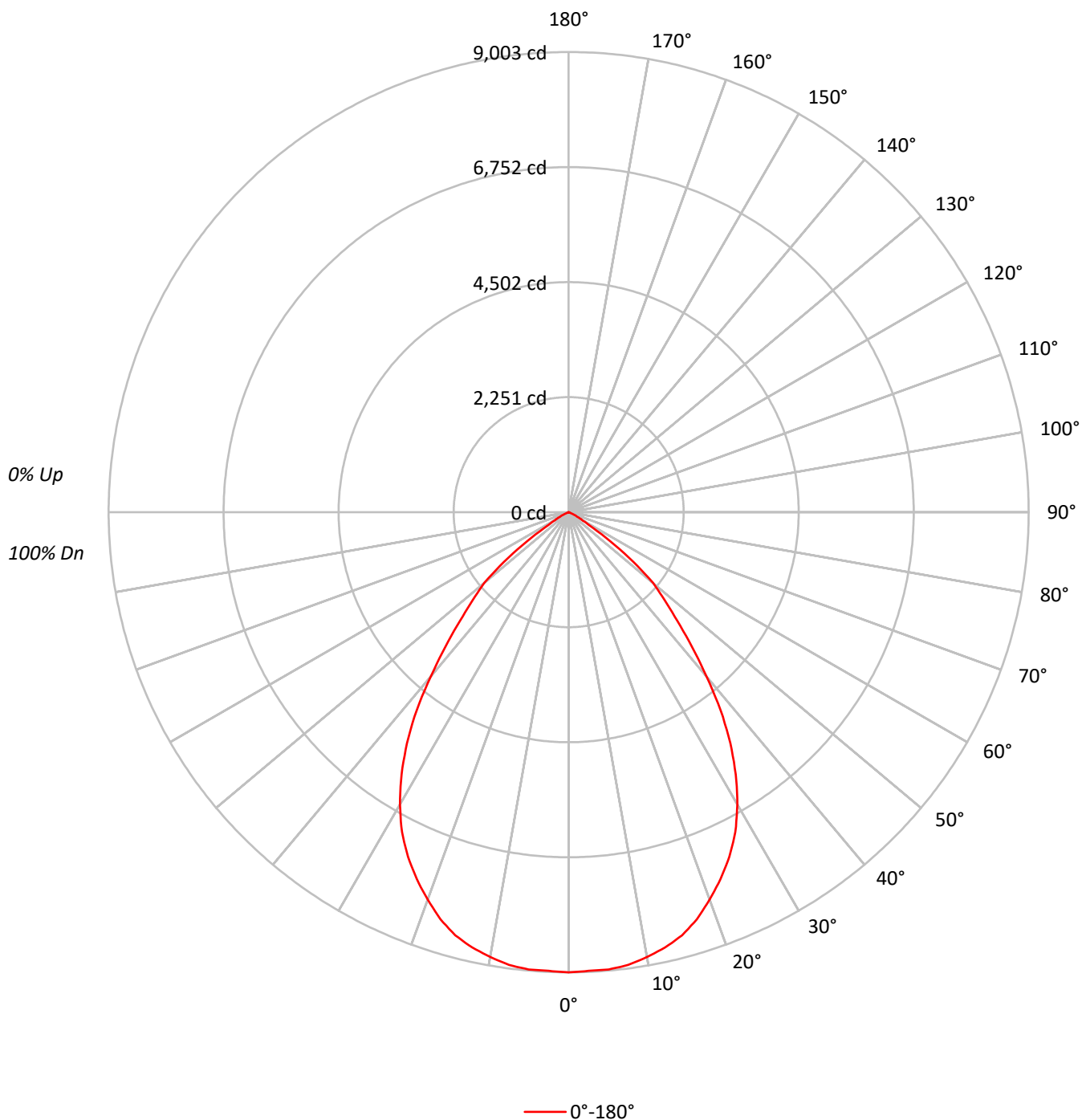
Lumens per Lamp: N/A
Luminaire Lumens: 13514.5 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.12
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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	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°	77928
5°	78022
10°	77664
15°	76795
20°	74301
25°	71035
30°	65993
35°	58270
40°	47404
45°	36740
50°	28994
55°	14873
60°	5193
65°	2249
70°	668
75°	341
80°	354
85°	407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36740 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	852.7	6.3
10°-20°	2405.1	17.8
20°-30°	3405.9	25.2
30°-40°	3407.8	25.2
40°-50°	2357.4	17.4
50°-60°	941.7	7.0
60°-70°	126.8	0.9
70°-80°	12.7	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°	6663.7	49.3
0°-40°	10071.6	74.5
0°-60°	13370.6	98.9
0°-90°	13514.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13514.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9003	
5°	8980	853
15°	8570	2405
25°	7438	3406
35°	5515	3408
45°	3002	2357
55°	986	942
65°	110	127
75°	10	13
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	9003.3
2.5°	8983.0
5°	8979.9
7.5°	8935.2
10°	8836.5
12.5°	8723.6
15°	8570.1
17.5°	8348.3
20°	8066.6
22.5°	7766.5
25°	7438.0
27.5°	7062.7
30°	6603.0
32.5°	6085.3
35°	5514.7
37.5°	4887.1
40°	4195.5
42.5°	3565.9
45°	3001.5
47.5°	2545.8
50°	2153.2
52.5°	1600.9
55°	985.6
57.5°	462.8
60°	300.0
62.5°	191.2
65°	109.8
67.5°	53.9
70°	26.4
72.5°	12.2
75°	10.2
77.5°	9.2
80°	7.1
82.5°	6.1
85°	4.1
87.5°	2.0
90°	0.0

(END OF REPORT)