

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: P1504599

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504599
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-30)
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_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

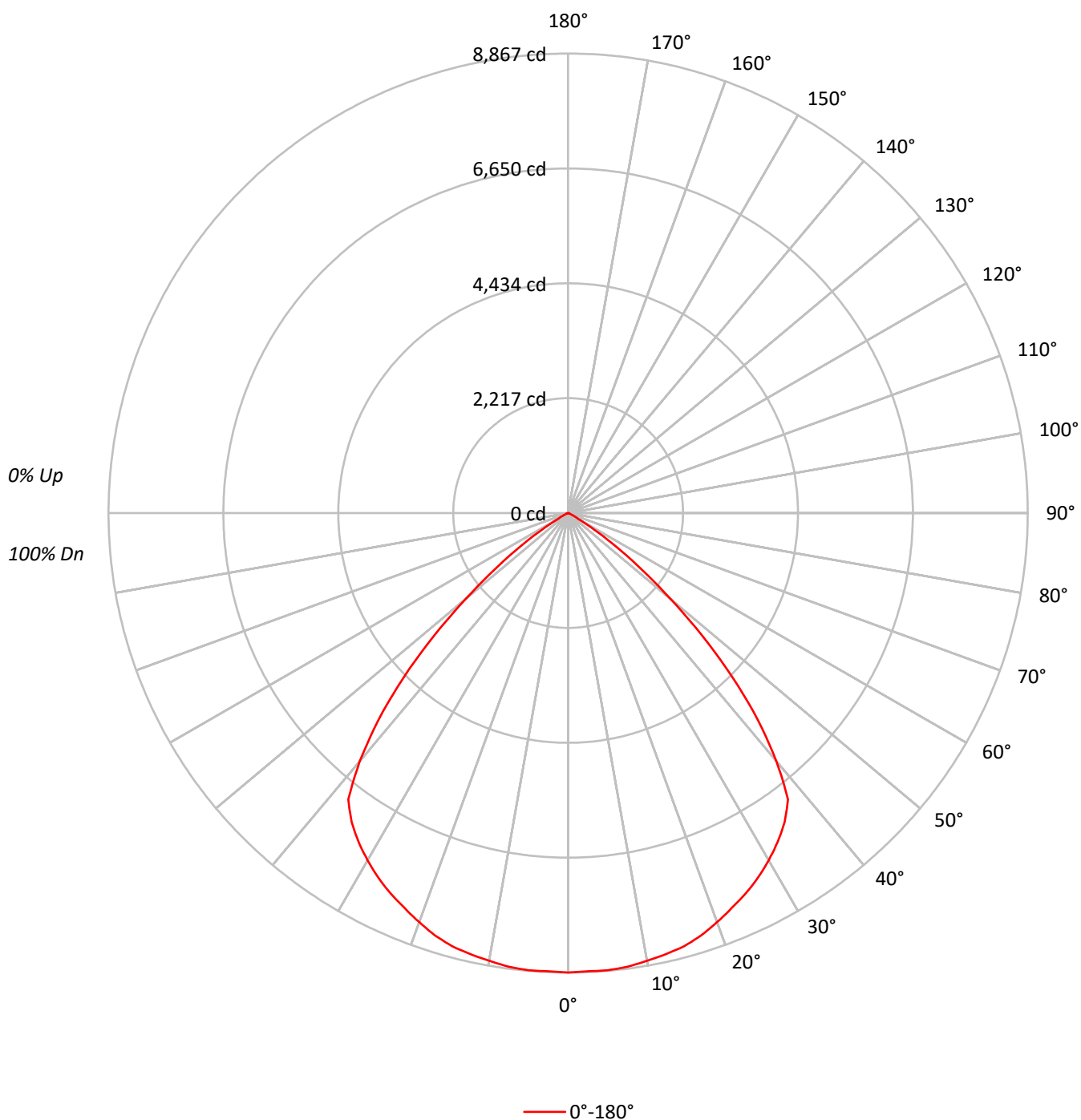
Lumens per Lamp: N/A
Luminaire Lumens: 16138.3 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.29
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	81	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	45	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76750
5°	76939
10°	77108
15°	77541
20°	77375
25°	77367
30°	77334
35°	76940
40°	70667
45°	55012
50°	34560
55°	17206
60°	3926
65°	1776
70°	721
75°	515
80°	593
85°	705

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55012 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	842.6	5.2
10°-20°	2440.0	15.1
20°-30°	3735.0	23.1
30°-40°	4501.9	27.9
40°-50°	3413.0	21.1
50°-60°	1082.0	6.7
60°-70°	98.5	0.6
70°-80°	17.9	0.1
80°-90°	7.4	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°	7017.6	43.5
0°-40°	11519.6	71.4
0°-60°	16014.5	99.2
0°-90°	16138.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16138.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8867	
5°	8855	843
15°	8653	2440
25°	8101	3735
35°	7282	4502
45°	4494	3413
55°	1140	1082
65°	87	98
75°	15	18
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8867.2
2.5°	8849.3
5°	8855.3
7.5°	8830.3
10°	8773.3
12.5°	8718.7
15°	8653.4
17.5°	8545.3
20°	8400.4
22.5°	8249.6
25°	8101.1
27.5°	7933.6
30°	7737.7
32.5°	7525.1
35°	7281.6
37.5°	6966.9
40°	6254.3
42.5°	5421.7
45°	4494.2
47.5°	3506.0
50°	2566.6
52.5°	1788.6
55°	1140.2
57.5°	589.1
60°	226.8
62.5°	142.5
65°	86.7
67.5°	45.1
70°	28.5
72.5°	17.8
75°	15.4
77.5°	14.3
80°	11.9
82.5°	10.7
85°	7.1
87.5°	3.6
90°	0.0

(END OF REPORT)