

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: P1504779

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504779
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-54)
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-06-BLAK-PS (4000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

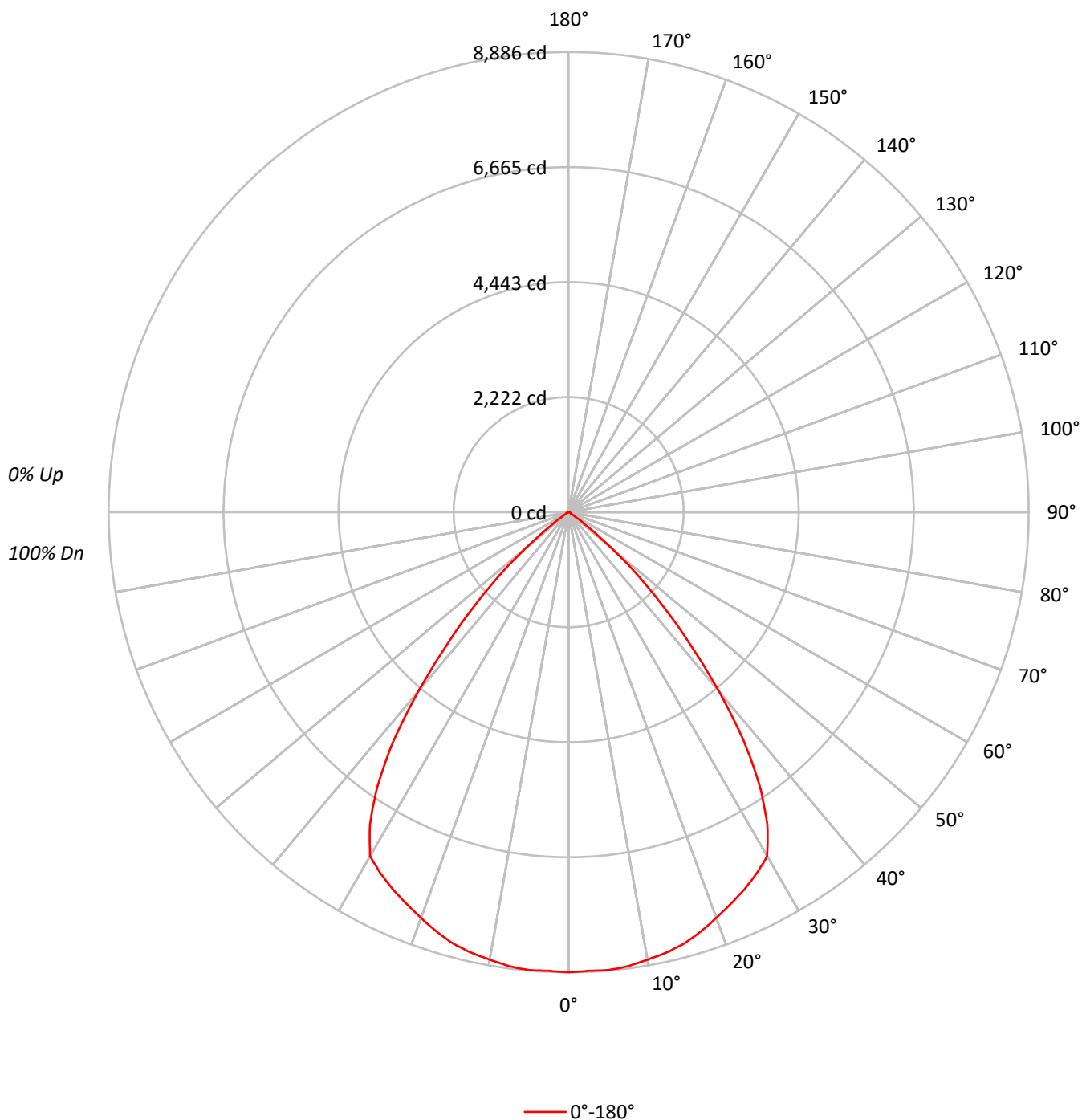
Lumens per Lamp: N/A
Luminaire Lumens: 13319.9 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.16
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94	92								
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84								
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76								
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71	69								
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63								
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58								
7	78	67	60	56	76	67	60	56	65	59	55	64	59	55	63	58	55	53								
8	73	63	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50	49								
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46	45								
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72063
5°	72251
10°	72254
15°	72391
20°	71952
25°	71892
30°	71822
35°	63621
40°	47727
45°	30224
50°	13830
55°	2771
60°	1020
65°	706
70°	733
75°	746
80°	719
85°	661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30224 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	843.9	6.3
10°-20°	2430.2	18.2
20°-30°	3704.0	27.8
30°-40°	3919.9	29.4
40°-50°	2049.7	15.4
50°-60°	299.3	2.2
60°-70°	40.3	0.3
70°-80°	24.6	0.2
80°-90°	7.9	0.1
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°	6978.1	52.4
0°-40°	10898.0	81.8
0°-60°	13247.0	99.5
0°-90°	13319.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13319.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8886	
5°	8876	844
15°	8622	2430
25°	8035	3704
35°	6426	3920
45°	2635	2050
55°	196	299
65°	37	40
75°	24	25
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8886.2
2.5°	8864.8
5°	8875.5
7.5°	8843.4
10°	8774.5
12.5°	8712.8
15°	8622.5
17.5°	8490.7
20°	8337.5
22.5°	8183.1
25°	8034.6
27.5°	7864.8
30°	7670.0
32.5°	7146.2
35°	6426.5
37.5°	5545.2
40°	4508.4
42.5°	3502.4
45°	2635.4
47.5°	1831.4
50°	1096.2
52.5°	476.3
55°	196.0
57.5°	117.6
60°	62.9
62.5°	46.3
65°	36.8
67.5°	33.3
70°	30.9
72.5°	27.3
75°	23.8
77.5°	19.0
80°	15.4
82.5°	10.7
85°	7.1
87.5°	3.6
90°	0.0

(END OF REPORT)