

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: P1504774

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (4000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504774
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-53)
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_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

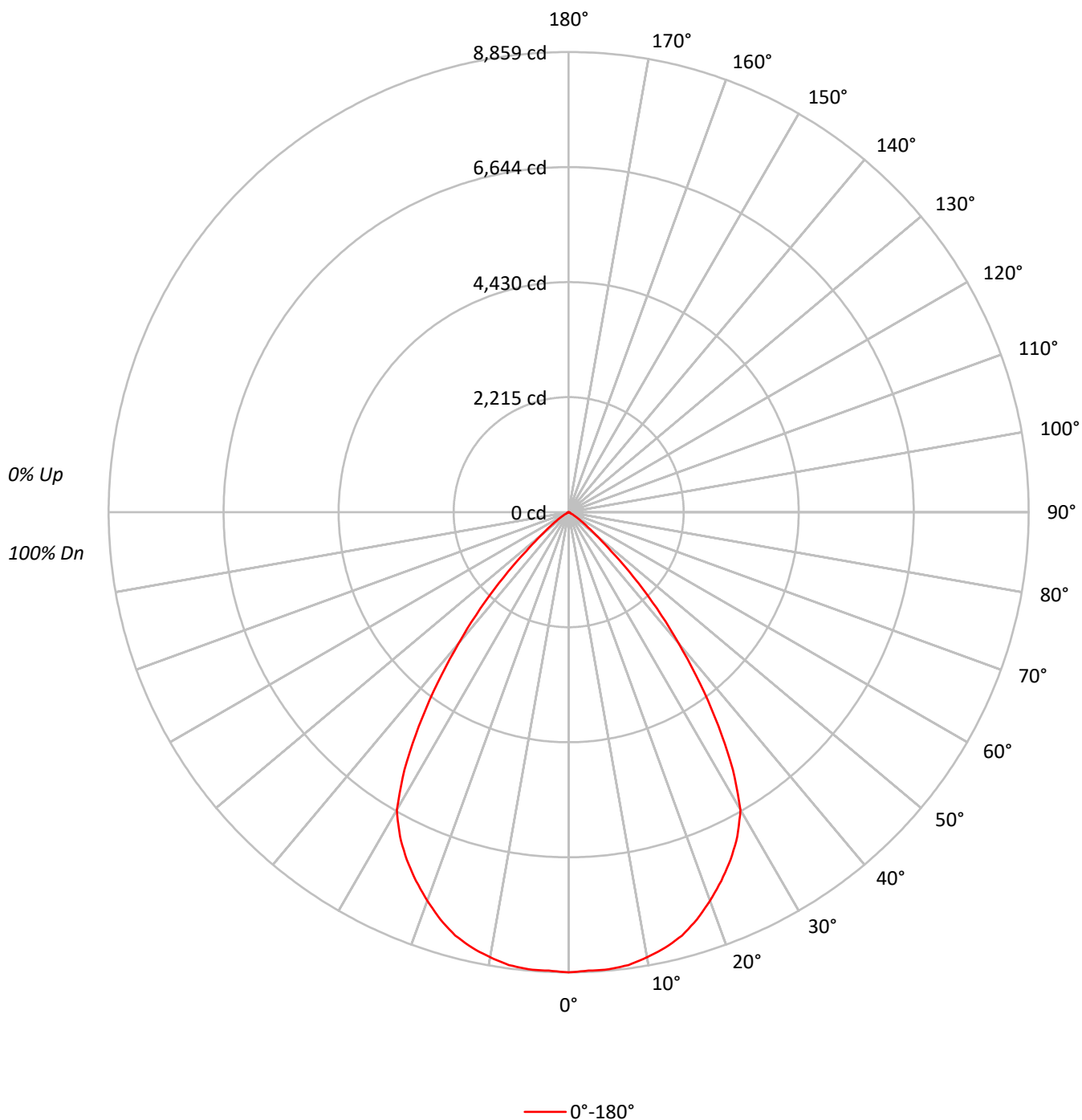
Lumens per Lamp: N/A
Luminaire Lumens: 11421.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92							
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85							
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78							
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71							
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65							
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60							
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55							
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51							
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47							
10	67	56	50	46	66	56	50	46	55	50	46	54	49	45	54	49	45	44							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71841
5°	71925
10°	71652
15°	70840
20°	68684
25°	66035
30°	61964
35°	49802
40°	34811
45°	20343
50°	8559
55°	3983
60°	1072
65°	507
70°	531
75°	542
80°	523
85°	568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20343 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	839.2	7.3
10°-20°	2368.8	20.7
20°-30°	3382.5	29.6
30°-40°	3101.7	27.2
40°-50°	1399.4	12.3
50°-60°	272.0	2.4
60°-70°	32.9	0.3
70°-80°	17.8	0.2
80°-90°	6.5	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°	6590.5	57.7
0°-40°	9692.3	84.9
0°-60°	11363.7	99.5
0°-90°	11421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11421.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8859	
5°	8836	839
15°	8438	2369
25°	7380	3382
35°	5031	3102
45°	1774	1399
55°	282	272
65°	26	33
75°	17	18
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8858.9
2.5°	8834.5
5°	8835.5
7.5°	8794.8
10°	8701.3
12.5°	8589.4
15°	8437.8
17.5°	8220.2
20°	7958.8
22.5°	7681.1
25°	7380.0
27.5°	7036.3
30°	6617.2
32.5°	5883.9
35°	5030.6
37.5°	4146.7
40°	3288.3
42.5°	2512.2
45°	1773.8
47.5°	1105.6
50°	678.4
52.5°	434.3
55°	281.7
57.5°	147.5
60°	66.1
62.5°	38.6
65°	26.4
67.5°	24.4
70°	22.4
72.5°	19.3
75°	17.3
77.5°	14.2
80°	11.2
82.5°	9.2
85°	6.1
87.5°	3.1
90°	0.0

(END OF REPORT)