

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: P1504773

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504773
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_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

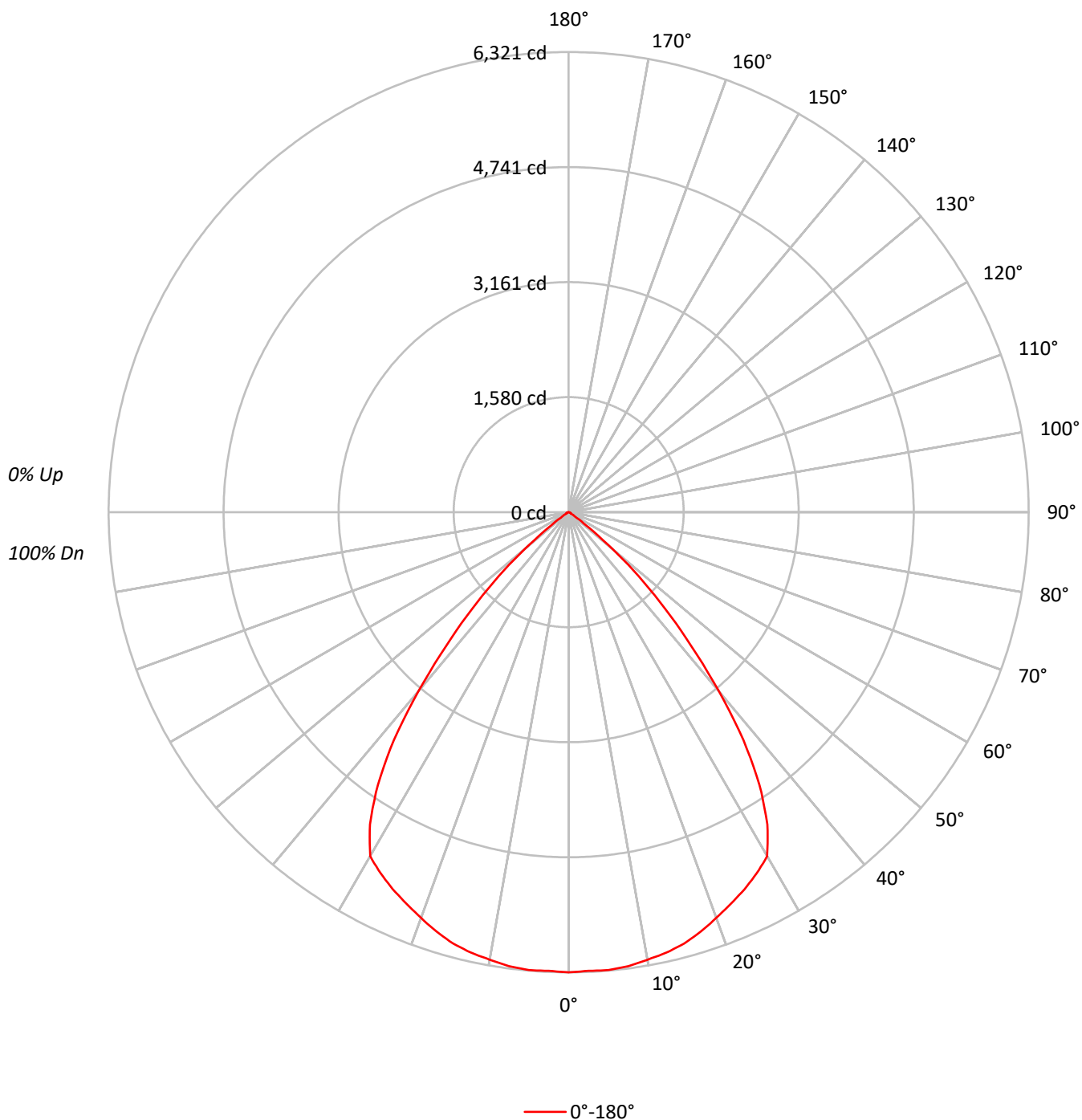
Lumens per Lamp: N/A
Luminaire Lumens: 9474.9 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.16
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 80.7
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	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°	51260
5°	51394
10°	51397
15°	51494
20°	51182
25°	51140
30°	51089
35°	45256
40°	33950
45°	21500
50°	9838
55°	1971
60°	727
65°	503
70°	522
75°	530
80°	514
85°	475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21500 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.3	6.3
10°-20°	1728.7	18.2
20°-30°	2634.8	27.8
30°-40°	2788.4	29.4
40°-50°	1458.0	15.4
50°-60°	212.9	2.2
60°-70°	28.7	0.3
70°-80°	17.5	0.2
80°-90°	5.6	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°	4963.7	52.4
0°-40°	7752.1	81.8
0°-60°	9423.1	99.5
0°-90°	9474.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9474.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6321	
5°	6313	600
15°	6134	1729
25°	5715	2635
35°	4571	2788
45°	1875	1458
55°	139	213
65°	26	29
75°	17	17
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6321.0
2.5°	6305.8
5°	6313.4
7.5°	6290.6
10°	6241.6
12.5°	6197.7
15°	6133.5
17.5°	6039.7
20°	5930.7
22.5°	5820.9
25°	5715.3
27.5°	5594.5
30°	5455.9
32.5°	5083.4
35°	4571.4
37.5°	3944.5
40°	3207.0
42.5°	2491.4
45°	1874.7
47.5°	1302.7
50°	779.8
52.5°	338.8
55°	139.4
57.5°	83.6
60°	44.8
62.5°	32.9
65°	26.2
67.5°	23.7
70°	22.0
72.5°	19.4
75°	16.9
77.5°	13.5
80°	11.0
82.5°	7.6
85°	5.1
87.5°	2.5
90°	0.0

(END OF REPORT)