

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: P1504755

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504755
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 (3000K_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

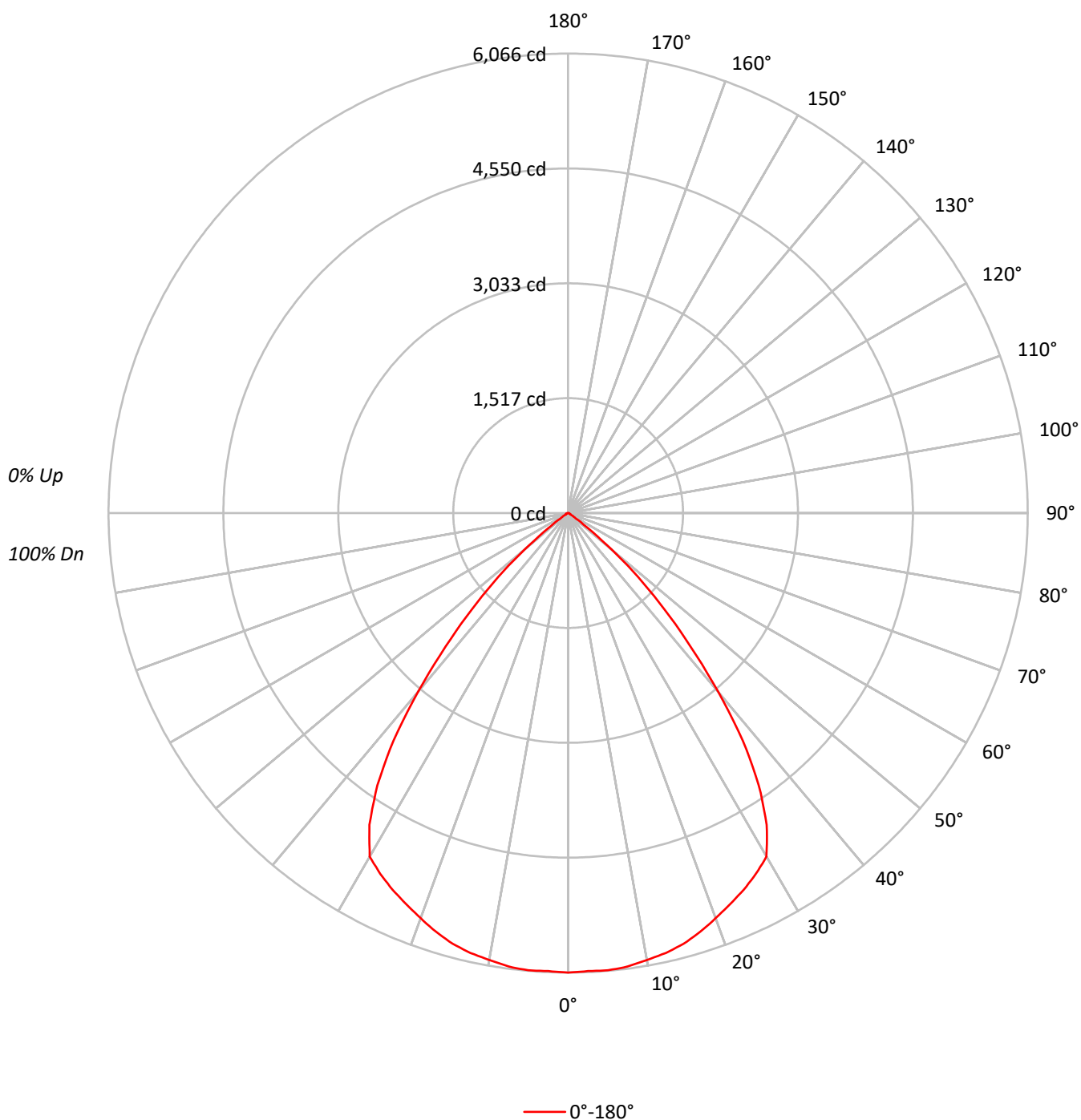
Lumens per Lamp: N/A
Luminaire Lumens: 9093.4 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.16
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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°	49196
5°	49325
10°	49328
15°	49420
20°	49121
25°	49081
30°	49032
35°	43434
40°	32583
45°	20634
50°	9442
55°	1892
60°	697
65°	482
70°	500
75°	508
80°	490
85°	456

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20634 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.1	6.3
10°-20°	1659.1	18.2
20°-30°	2528.7	27.8
30°-40°	2676.1	29.4
40°-50°	1399.3	15.4
50°-60°	204.3	2.2
60°-70°	27.5	0.3
70°-80°	16.8	0.2
80°-90°	5.4	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°	4763.9	52.4
0°-40°	7440.0	81.8
0°-60°	9043.6	99.5
0°-90°	9093.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9093.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6066	
5°	6059	576
15°	5886	1659
25°	5485	2529
35°	4387	2676
45°	1799	1399
55°	134	204
65°	25	28
75°	16	17
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6066.5
2.5°	6051.9
5°	6059.2
7.5°	6037.3
10°	5990.3
12.5°	5948.1
15°	5886.5
17.5°	5796.5
20°	5691.9
22.5°	5586.5
25°	5485.2
27.5°	5369.2
30°	5236.2
32.5°	4878.7
35°	4387.3
37.5°	3785.7
40°	3077.9
42.5°	2391.1
45°	1799.2
47.5°	1250.3
50°	748.4
52.5°	325.1
55°	133.8
57.5°	80.3
60°	43.0
62.5°	31.6
65°	25.1
67.5°	22.7
70°	21.1
72.5°	18.6
75°	16.2
77.5°	13.0
80°	10.5
82.5°	7.3
85°	4.9
87.5°	2.4
90°	0.0

(END OF REPORT)