

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: P1504728

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504728
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-36)
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-WHGL-PS (4000K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

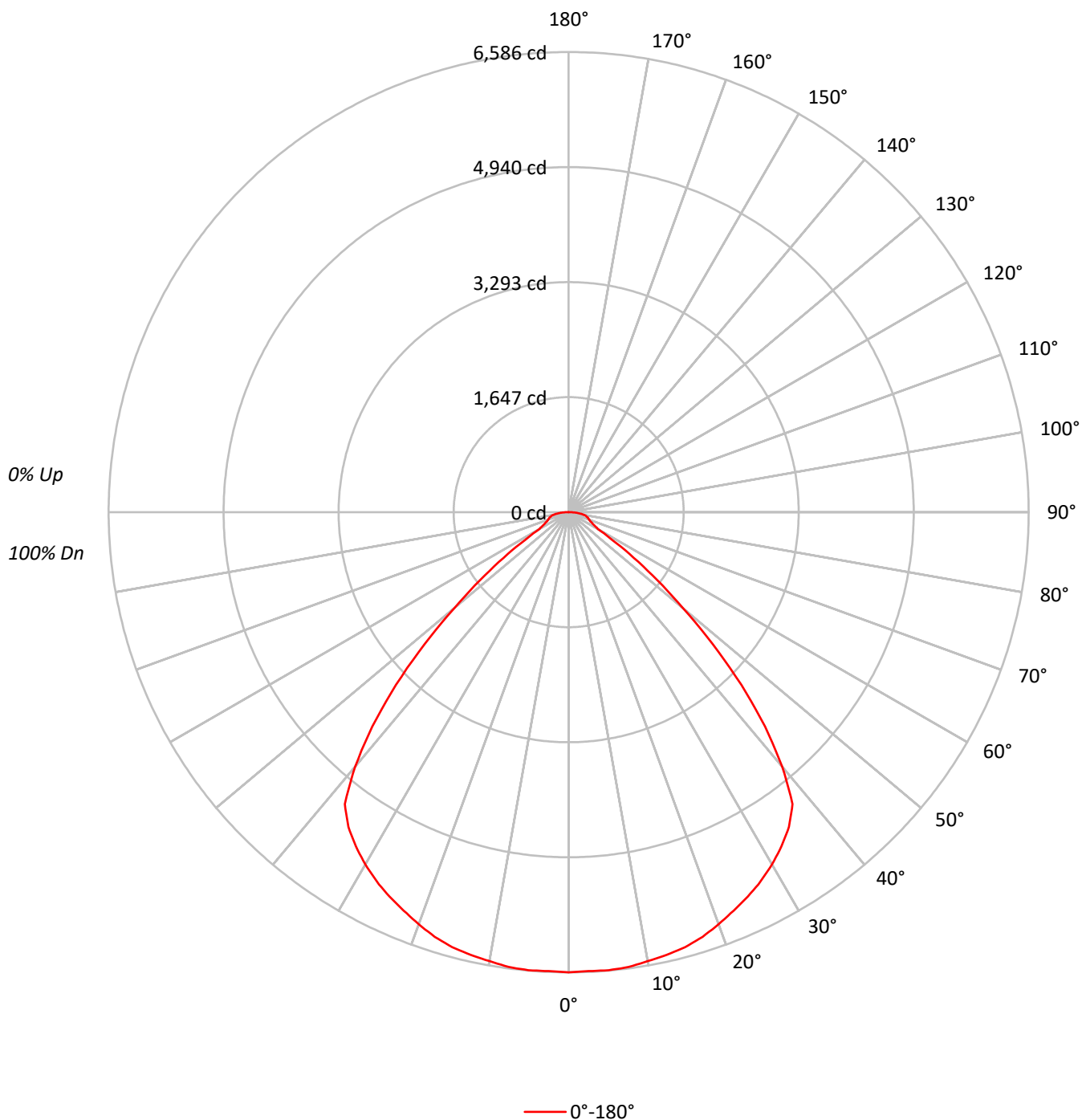
Lumens per Lamp: N/A
Luminaire Lumens: 13162.7 lumens
Efficiency: N/A
Efficacy: 163.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70		
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41		
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	47	40	36	46	40	36	46	40	36	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57007
5°	57174
10°	57344
15°	57747
20°	57802
25°	57971
30°	58177
35°	58086
40°	53742
45°	42792
50°	28781
55°	17185
60°	8394
65°	7613
70°	7911
75°	9297
80°	11075
85°	12503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42792 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	626.4	4.8
10°-20°	1818.2	13.8
20°-30°	2799.5	21.3
30°-40°	3399.2	25.8
40°-50°	2662.4	20.2
50°-60°	1060.0	8.1
60°-70°	376.9	2.9
70°-80°	289.4	2.2
80°-90°	130.7	1.0
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°	5244.1	39.8
0°-40°	8643.3	65.7
0°-60°	12365.7	93.9
0°-90°	13162.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13162.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6586	
5°	6580	626
15°	6444	1818
25°	6070	2799
35°	5497	3399
45°	3496	2662
55°	1139	1060
65°	372	377
75°	278	289
85°	126	131
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6586.3
2.5°	6573.6
5°	6580.4
7.5°	6565.2
10°	6524.6
12.5°	6489.2
15°	6444.4
17.5°	6372.6
20°	6275.4
22.5°	6171.5
25°	6070.1
27.5°	5955.2
30°	5820.9
32.5°	5669.7
35°	5497.3
37.5°	5263.3
40°	4756.4
42.5°	4159.1
45°	3495.9
47.5°	2794.7
50°	2137.4
52.5°	1595.9
55°	1138.8
57.5°	744.3
60°	484.9
62.5°	419.9
65°	371.7
67.5°	332.9
70°	312.6
72.5°	294.8
75°	278.0
77.5°	255.1
80°	222.2
82.5°	180.8
85°	125.9
87.5°	62.5
90°	0.0

(END OF REPORT)