

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: P1504373

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (4000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504373
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-22)
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-A-04-WHGL-PS (4000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

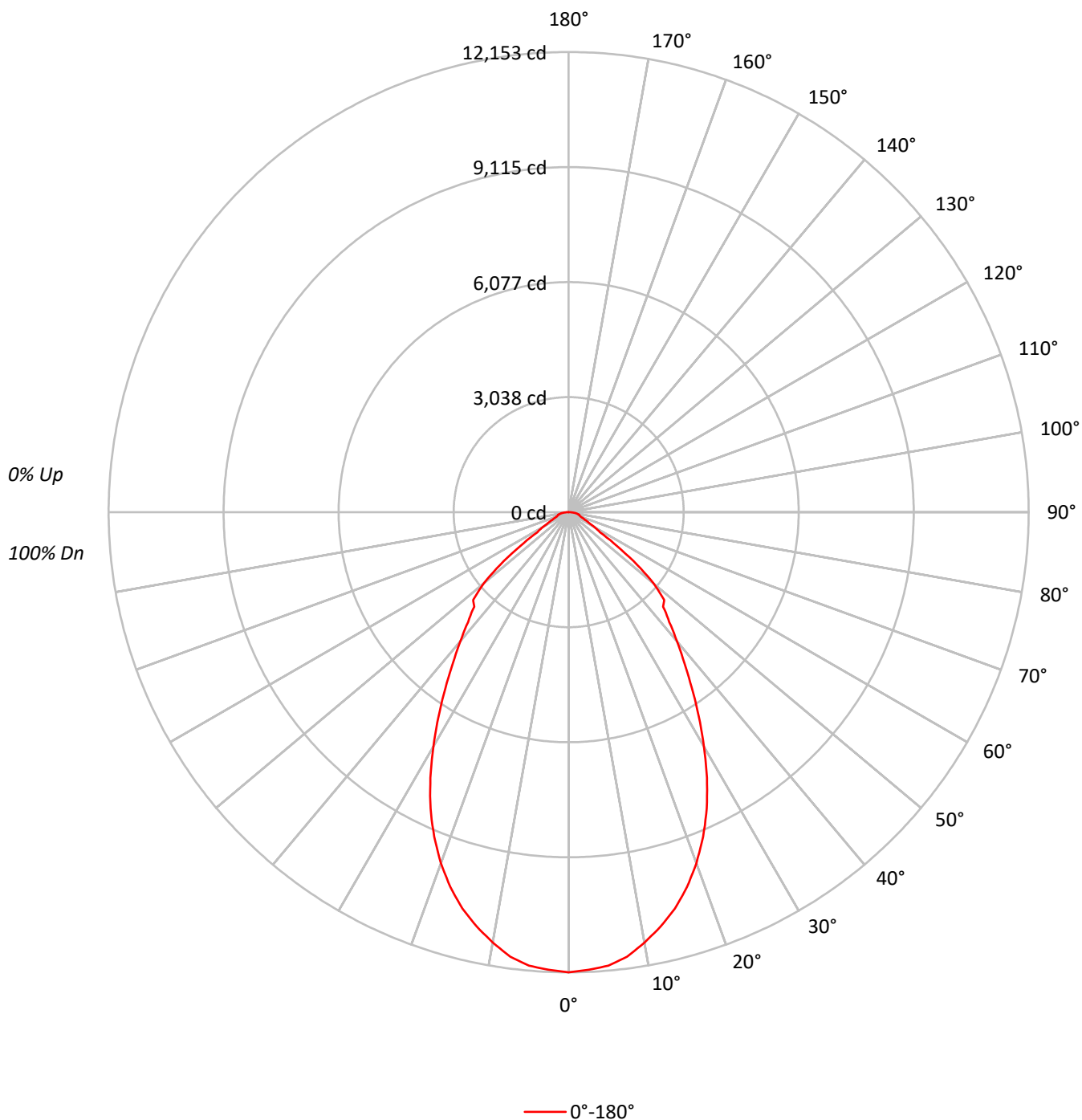
Lumens per Lamp: N/A
Luminaire Lumens: 16882.5 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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			
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	110996
5°	110200
10°	107003
15°	102481
20°	95853
25°	86997
30°	75400
35°	63203
40°	53000
45°	45605
50°	41596
55°	24868
60°	14231
65°	10317
70°	9007
75°	10184
80°	11928
85°	13067

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 46240 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1132.1	6.7
10°-20°	3032.7	18.0
20°-30°	3935.3	23.3
30°-40°	3559.9	21.1
40°-50°	2807.7	16.6
50°-60°	1479.5	8.8
60°-70°	502.7	3.0
70°-80°	301.6	1.8
80°-90°	131.0	0.8
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°	8100.2	48.0
0°-40°	11660.1	69.1
0°-60°	15947.2	94.5
0°-90°	16882.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16882.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12153	
5°	12020	###
15°	10839	3033
25°	8633	3935
35°	5669	3560
45°	3531	2808
55°	1562	1479
65°	477	503
75°	289	302
85°	125	131
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12153.4
2.5°	12095.2
5°	12020.4
7.5°	11837.5
10°	11538.2
12.5°	11212.8
15°	10838.7
17.5°	10382.6
20°	9862.4
22.5°	9279.3
25°	8633.2
27.5°	7908.7
30°	7149.8
32.5°	6396.8
35°	5668.8
37.5°	5016.7
40°	4445.5
42.5°	3935.9
45°	3530.9
47.5°	3420.5
50°	2927.6
52.5°	2291.0
55°	1561.8
57.5°	979.8
60°	779.1
62.5°	611.7
65°	477.4
67.5°	389.6
70°	337.3
72.5°	307.6
75°	288.6
77.5°	263.7
80°	226.8
82.5°	180.5
85°	124.7
87.5°	62.9
90°	0.0

(END OF REPORT)