

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: P1504364

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504364
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

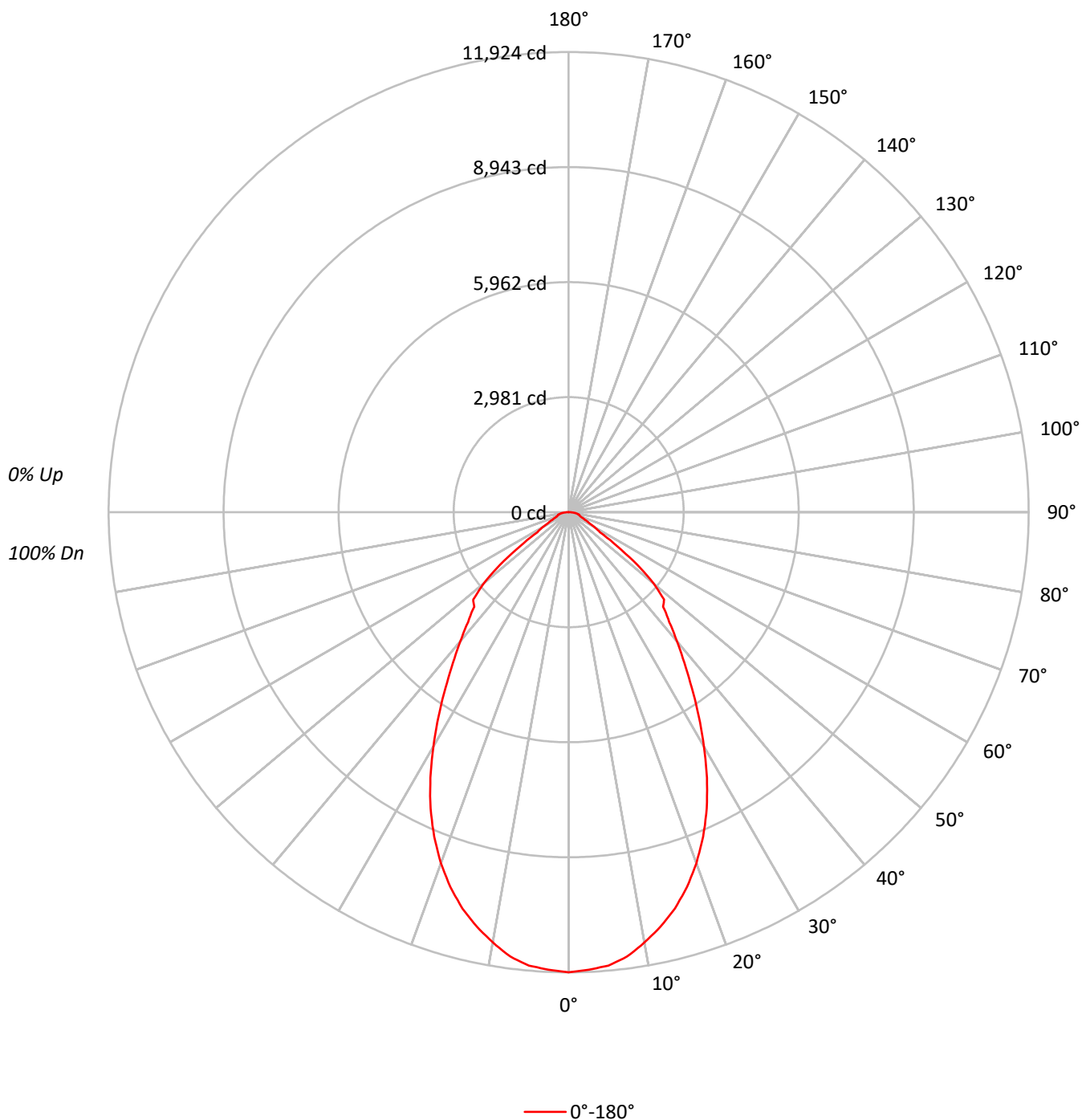
Lumens per Lamp: N/A
Luminaire Lumens: 16563.4 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 120.7
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	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°	108898
5°	108117
10°	104980
15°	100543
20°	94041
25°	85352
30°	73974
35°	62007
40°	51997
45°	44743
50°	40810
55°	24398
60°	13962
65°	10122
70°	8836
75°	9990
80°	11707
85°	12816

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 45365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1110.7	6.7
10°-20°	2975.4	18.0
20°-30°	3860.9	23.3
30°-40°	3492.6	21.1
40°-50°	2754.6	16.6
50°-60°	1451.5	8.8
60°-70°	493.1	3.0
70°-80°	295.9	1.8
80°-90°	128.6	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°	7947.0	48.0
0°-40°	11439.6	69.1
0°-60°	15645.8	94.5
0°-90°	16563.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16563.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11924	
5°	11793	###
15°	10634	2975
25°	8470	3861
35°	5562	3493
45°	3464	2755
55°	1532	1452
65°	468	493
75°	283	296
85°	122	129
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11923.7
2.5°	11866.6
5°	11793.2
7.5°	11613.7
10°	11320.1
12.5°	11000.8
15°	10633.8
17.5°	10186.3
20°	9676.0
22.5°	9103.8
25°	8470.0
27.5°	7759.2
30°	7014.6
32.5°	6275.9
35°	5561.6
37.5°	4921.9
40°	4361.4
42.5°	3861.5
45°	3464.2
47.5°	3355.8
50°	2872.3
52.5°	2247.7
55°	1532.3
57.5°	961.3
60°	764.4
62.5°	600.1
65°	468.4
67.5°	382.2
70°	330.9
72.5°	301.8
75°	283.1
77.5°	258.7
80°	222.6
82.5°	177.1
85°	122.3
87.5°	61.8
90°	0.0

(END OF REPORT)