

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: P1504227

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504227
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-18)
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-BLAK-PS (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

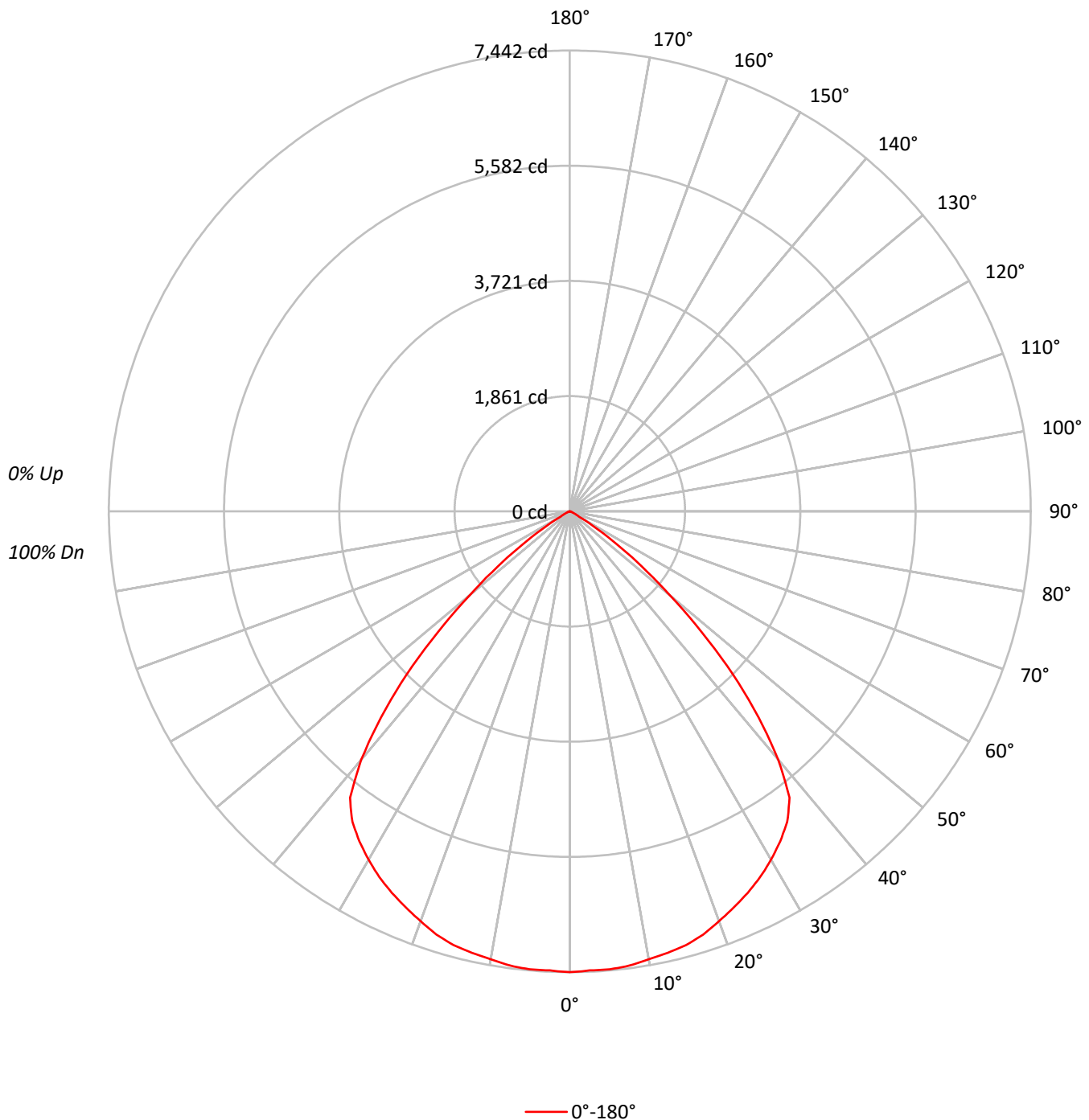
Lumens per Lamp: N/A
Luminaire Lumens: 13476.5 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 100.2
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	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	51	46	56	50	46	55	49	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67967
5°	68071
10°	68125
15°	68568
20°	68470
25°	68494
30°	68526
35°	68244
40°	62424
45°	48163
50°	30008
55°	14760
60°	3288
65°	1491
70°	587
75°	423
80°	526
85°	734

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48163 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.2	5.2
10°-20°	2045.0	15.2
20°-30°	3134.2	23.3
30°-40°	3776.3	28.0
40°-50°	2833.9	21.0
50°-60°	881.9	6.5
60°-70°	78.2	0.6
70°-80°	14.2	0.1
80°-90°	6.5	0.0
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°	5885.4	43.7
0°-40°	9661.8	71.7
0°-60°	13377.6	99.3
0°-90°	13476.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13476.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7442	
5°	7425	706
15°	7252	2045
25°	6797	3134
35°	6121	3776
45°	3729	2834
55°	927	882
65°	69	78
75°	12	14
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7442
2.5°	7422
5°	7425
7.5°	7399
10°	7346
12.5°	7304
15°	7252
17.5°	7165
20°	7045
22.5°	6921
25°	6797
27.5°	6659
30°	6498
32.5°	6320
35°	6121
37.5°	5827
40°	5236
42.5°	4512
45°	3729
47.5°	2895
50°	2112
52.5°	1468
55°	927
57.5°	466
60°	180
62.5°	113
65°	69
67.5°	36
70°	22
72.5°	14
75°	12
77.5°	12
80°	10
82.5°	9
85°	7
87.5°	3
90°	0

(END OF REPORT)