

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: P1504254

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504254
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

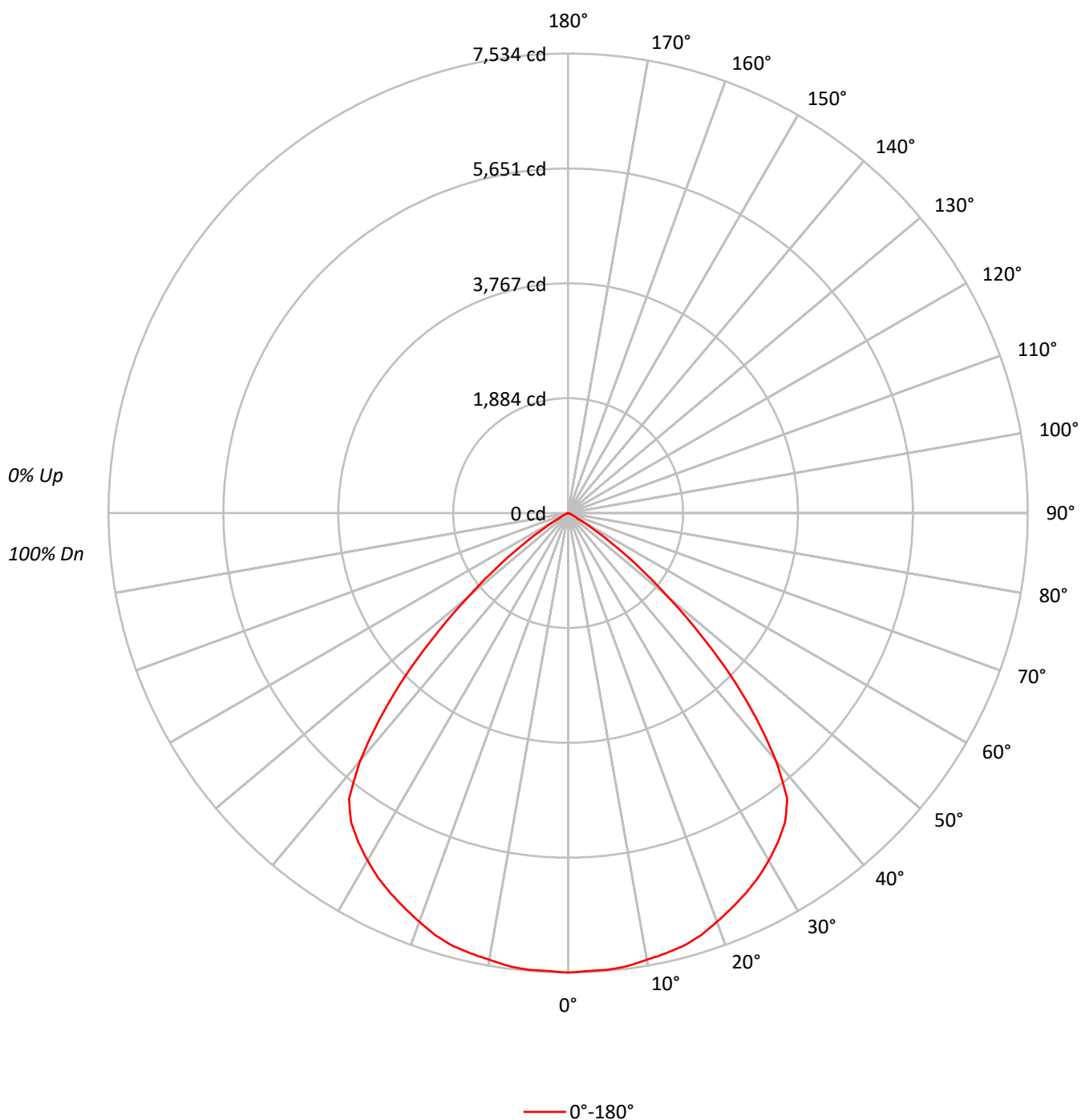
Lumens per Lamp: N/A
Luminaire Lumens: 13643.5 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 102.5
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°	68809
5°	68914
10°	68969
15°	69417
20°	69319
25°	69342
30°	69375
35°	69089
40°	63198
45°	48760
50°	30380
55°	14943
60°	3328
65°	1511
70°	595
75°	427
80°	531
85°	744

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48760 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.9	5.2
10°-20°	2070.3	15.2
20°-30°	3173.1	23.3
30°-40°	3823.1	28.0
40°-50°	2869.0	21.0
50°-60°	892.8	6.5
60°-70°	79.1	0.6
70°-80°	14.4	0.1
80°-90°	6.6	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°	5958.4	43.7
0°-40°	9781.5	71.7
0°-60°	13543.3	99.3
0°-90°	13643.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13643.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7534	
5°	7517	715
15°	7342	2070
25°	6881	3173
35°	6197	3823
45°	3775	2869
55°	938	893
65°	70	79
75°	12	14
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7534.2
2.5°	7514.0
5°	7517.0
7.5°	7490.7
10°	7437.0
12.5°	7394.5
15°	7341.8
17.5°	7253.8
20°	7132.3
22.5°	7006.7
25°	6881.2
27.5°	6741.5
30°	6578.5
32.5°	6398.3
35°	6196.8
37.5°	5899.2
40°	5300.9
42.5°	4567.9
45°	3775.2
47.5°	2930.9
50°	2138.2
52.5°	1486.2
55°	938.5
57.5°	471.8
60°	182.2
62.5°	114.4
65°	69.9
67.5°	36.4
70°	22.3
72.5°	14.2
75°	12.1
77.5°	12.1
80°	10.1
82.5°	9.1
85°	7.1
87.5°	3.0
90°	0.0

(END OF REPORT)