

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: P1504387

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (6500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504387
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-23)
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 (6500K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

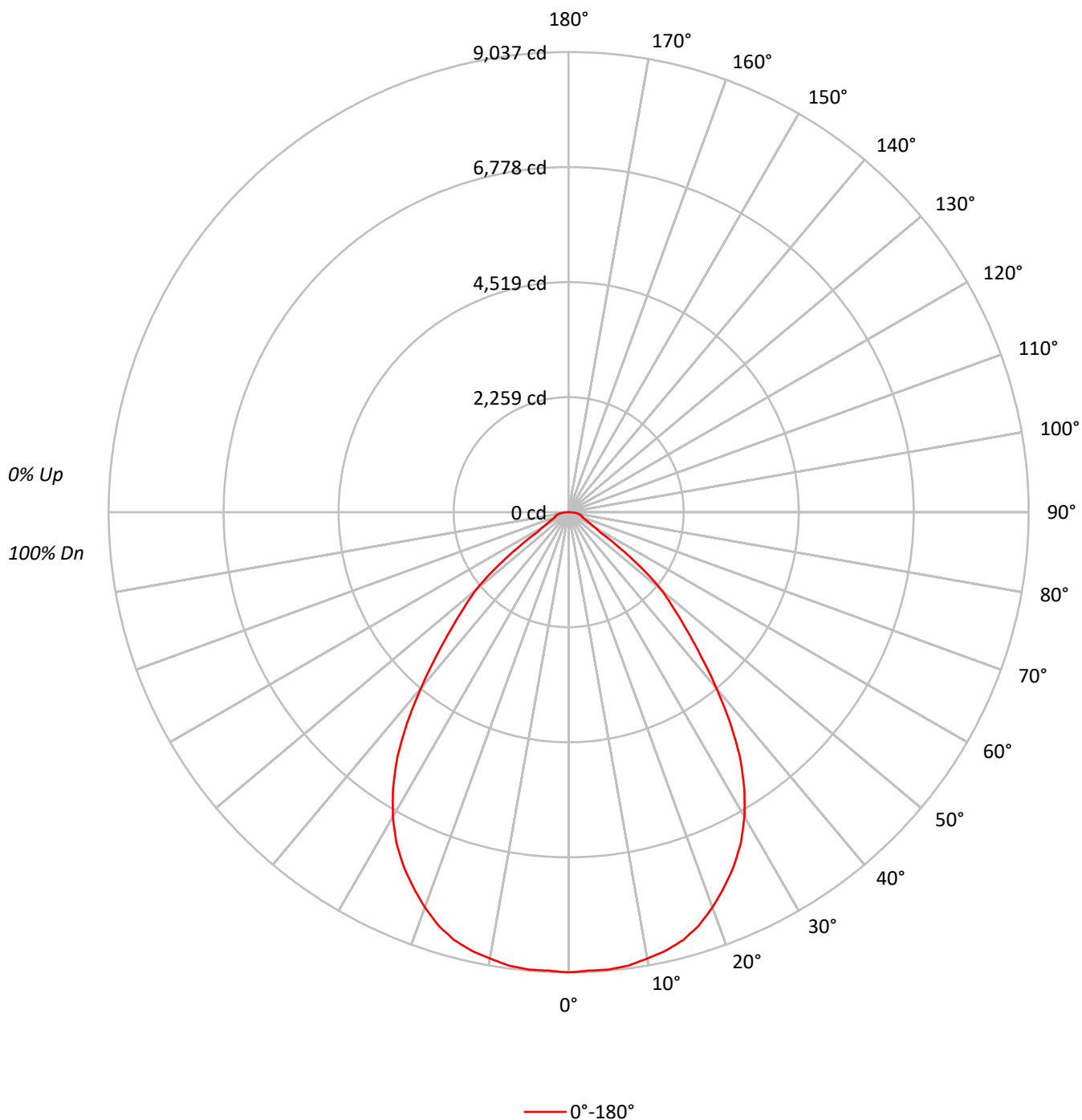
Lumens per Lamp: N/A
Luminaire Lumens: 14953.3 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82530
5°	82641
10°	82536
15°	82225
20°	80240
25°	77320
30°	72813
35°	65342
40°	53844
45°	42405
50°	33962
55°	19392
60°	10614
65°	8357
70°	7813
75°	9002
80°	10650
85°	12197

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42405 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	856.9	5.7
10°-20°	2442.9	16.3
20°-30°	3517.0	23.5
30°-40°	3613.6	24.2
40°-50°	2570.9	17.2
50°-60°	1164.5	7.8
60°-70°	400.5	2.7
70°-80°	266.0	1.8
80°-90°	121.0	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°	6816.9	45.6
0°-40°	10430.5	69.8
0°-60°	14165.9	94.7
0°-90°	14953.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14953.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9037	
5°	9014	857
15°	8696	2443
25°	7673	3517
35°	5861	3614
45°	3283	2571
55°	1218	1164
65°	387	400
75°	255	266
85°	116	121
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9036.6
2.5°	9012.3
5°	9014.3
7.5°	8980.9
10°	8899.9
12.5°	8818.9
15°	8696.4
17.5°	8508.1
20°	8256.0
22.5°	7973.6
25°	7672.9
27.5°	7322.6
30°	6904.5
32.5°	6417.5
35°	5860.7
37.5°	5207.7
40°	4516.3
42.5°	3861.3
45°	3283.2
47.5°	2797.2
50°	2390.3
52.5°	1829.4
55°	1217.9
57.5°	734.0
60°	581.1
62.5°	472.8
65°	386.7
67.5°	325.0
70°	292.6
72.5°	270.3
75°	255.1
77.5°	233.9
80°	202.5
82.5°	164.0
85°	116.4
87.5°	62.8
90°	0.0

(END OF REPORT)