

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: P1504711

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504711
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-35)
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-B-04-WHGL-PS (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

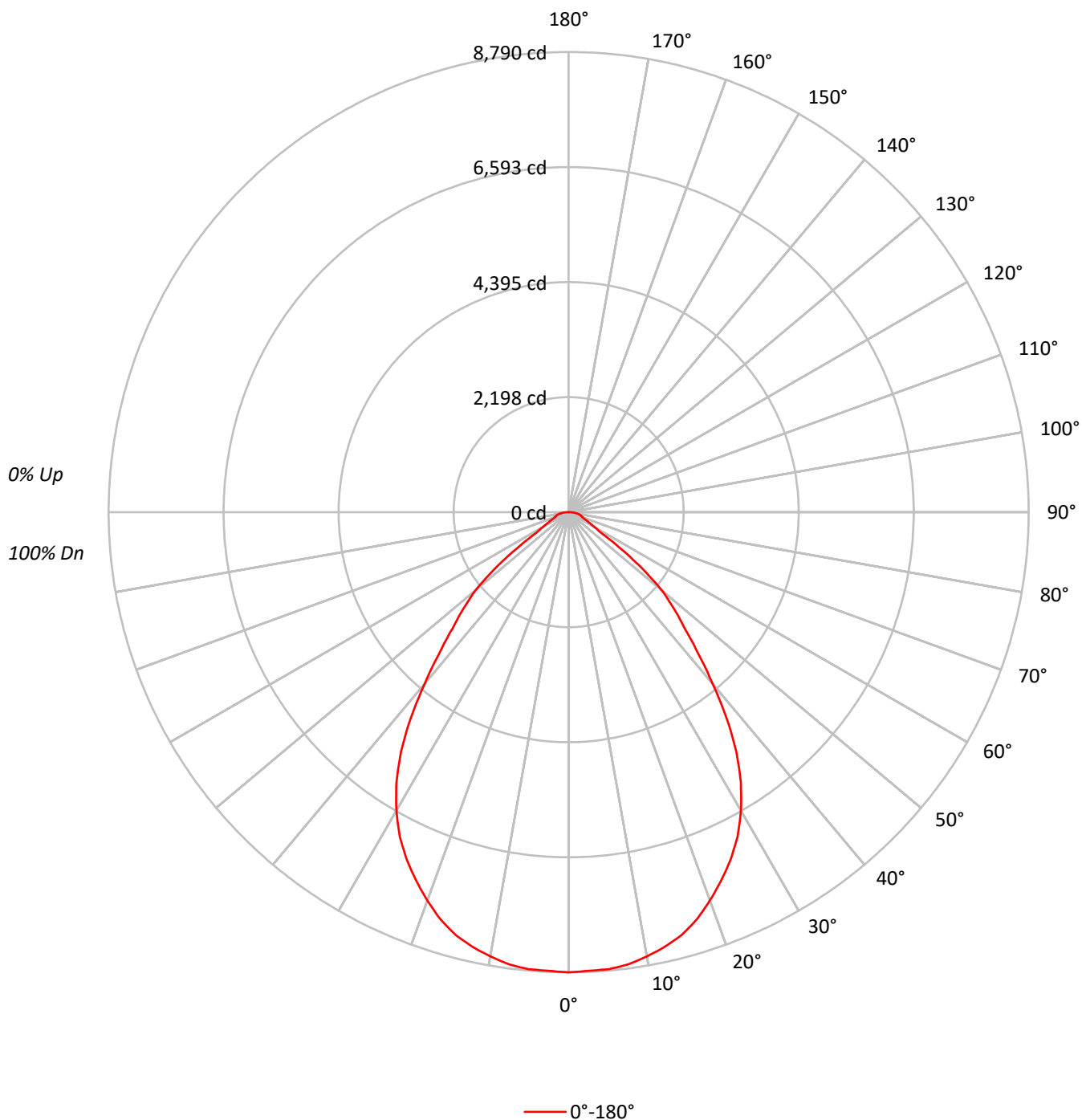
Lumens per Lamp: N/A
Luminaire Lumens: 14325.8 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 102.3
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	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	68	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°	76081
5°	76129
10°	75718
15°	74903
20°	72694
25°	69918
30°	65820
35°	58968
40°	48348
45°	38384
50°	31373
55°	18184
60°	9853
65°	7678
70°	7068
75°	7983
80°	9057
85°	9792

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38384 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	831.7	5.8
10°-20°	2347.2	16.4
20°-30°	3357.1	23.4
30°-40°	3441.3	24.0
40°-50°	2464.4	17.2
50°-60°	1143.6	8.0
60°-70°	388.1	2.7
70°-80°	248.2	1.7
80°-90°	104.2	0.7
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°	6536.0	45.6
0°-40°	9977.3	69.6
0°-60°	13585.3	94.8
0°-90°	14325.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14325.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8790	
5°	8762	832
15°	8359	2347
25°	7321	3357
35°	5581	3441
45°	3136	2464
55°	1205	1144
65°	375	388
75°	239	248
85°	99	104
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8790.0
2.5°	8766.8
5°	8762.0
7.5°	8712.7
10°	8615.1
12.5°	8503.0
15°	8359.0
17.5°	8151.2
20°	7892.2
22.5°	7616.8
25°	7321.1
27.5°	6985.8
30°	6585.7
32.5°	6121.9
35°	5580.7
37.5°	4957.4
40°	4279.0
42.5°	3666.4
45°	3135.8
47.5°	2727.1
50°	2329.9
52.5°	1791.6
55°	1205.0
57.5°	725.7
60°	569.2
62.5°	460.0
65°	374.9
67.5°	312.1
70°	279.3
72.5°	256.1
75°	238.7
77.5°	214.5
80°	181.7
82.5°	142.1
85°	98.6
87.5°	51.2
90°	0.0

(END OF REPORT)