

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: P1504721

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504721
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-34)
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 (3500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

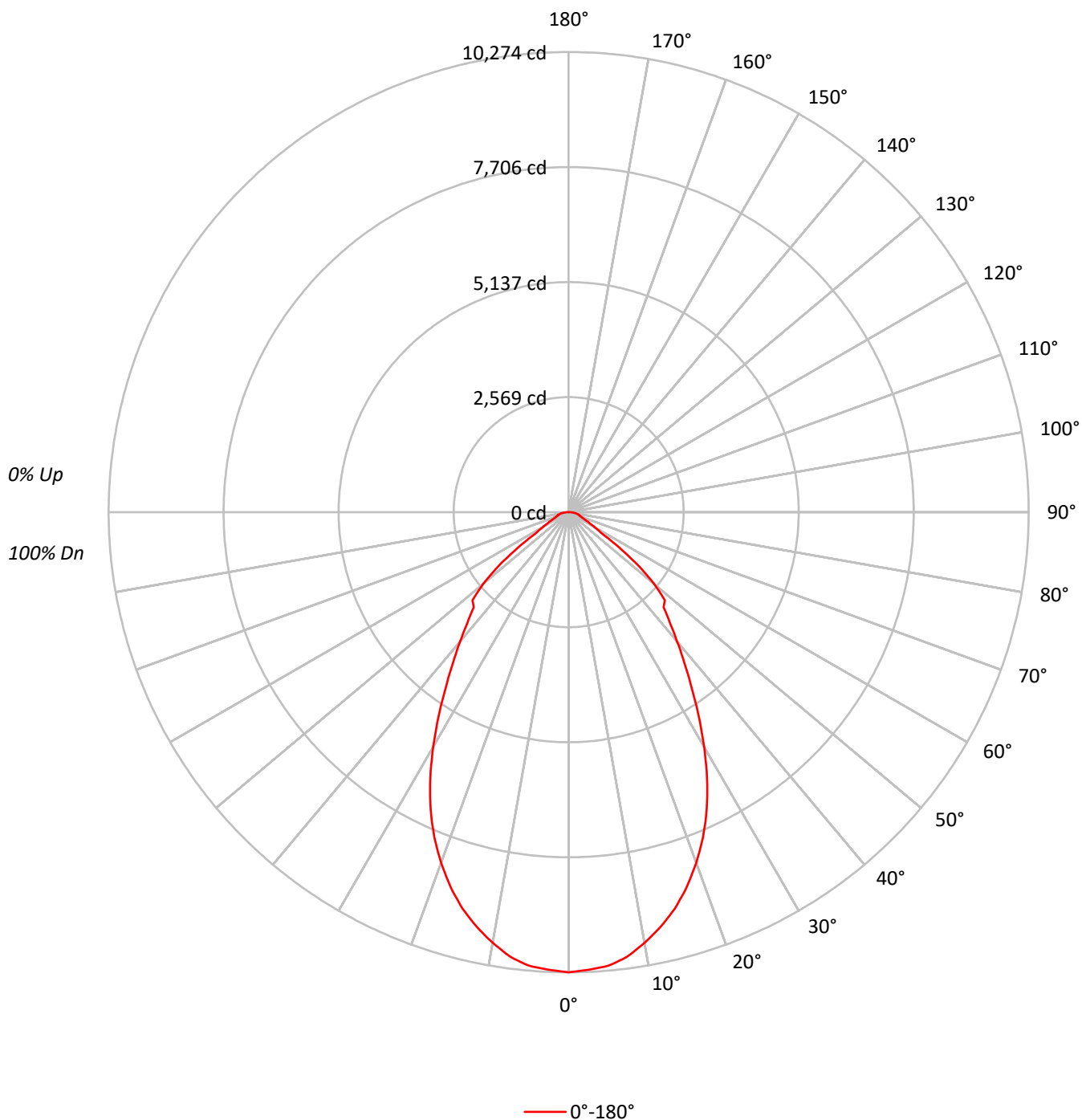
Lumens per Lamp: N/A
Luminaire Lumens: 14312.8 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 100.3
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	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	60	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	50	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	46	42	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88926
5°	88327
10°	85798
15°	82099
20°	76736
25°	69726
30°	60436
35°	50571
40°	42552
45°	36710
50°	33610
55°	20719
60°	11650
65°	8438
70°	7314
75°	8093
80°	9122
85°	9434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 37333 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	957.5	6.7
10°-20°	2563.7	17.9
20°-30°	3327.6	23.2
30°-40°	3009.7	21.0
40°-50°	2386.2	16.7
50°-60°	1280.1	8.9
60°-70°	433.6	3.0
70°-80°	252.5	1.8
80°-90°	101.9	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°	6848.9	47.9
0°-40°	9858.6	68.9
0°-60°	13524.9	94.5
0°-90°	14312.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14312.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10274	
5°	10166	958
15°	9162	2564
25°	7301	3328
35°	4786	3010
45°	2999	2386
55°	1373	1280
65°	412	434
75°	242	252
85°	95	102
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10274
2.5°	10226
5°	10166
7.5°	10012
10°	9762
12.5°	9485
15°	9162
17.5°	8774
20°	8331
22.5°	7844
25°	7301
27.5°	6691
30°	6047
32.5°	5407
35°	4786
37.5°	4244
40°	3766
42.5°	3341
45°	2999
47.5°	2914
50°	2496
52.5°	1973
55°	1373
57.5°	853
60°	673
62.5°	529
65°	412
67.5°	335
70°	289
72.5°	261
75°	242
77.5°	217
80°	183
82.5°	141
85°	95
87.5°	47
90°	0

(END OF REPORT)