

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: P1504748

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (6500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504748
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

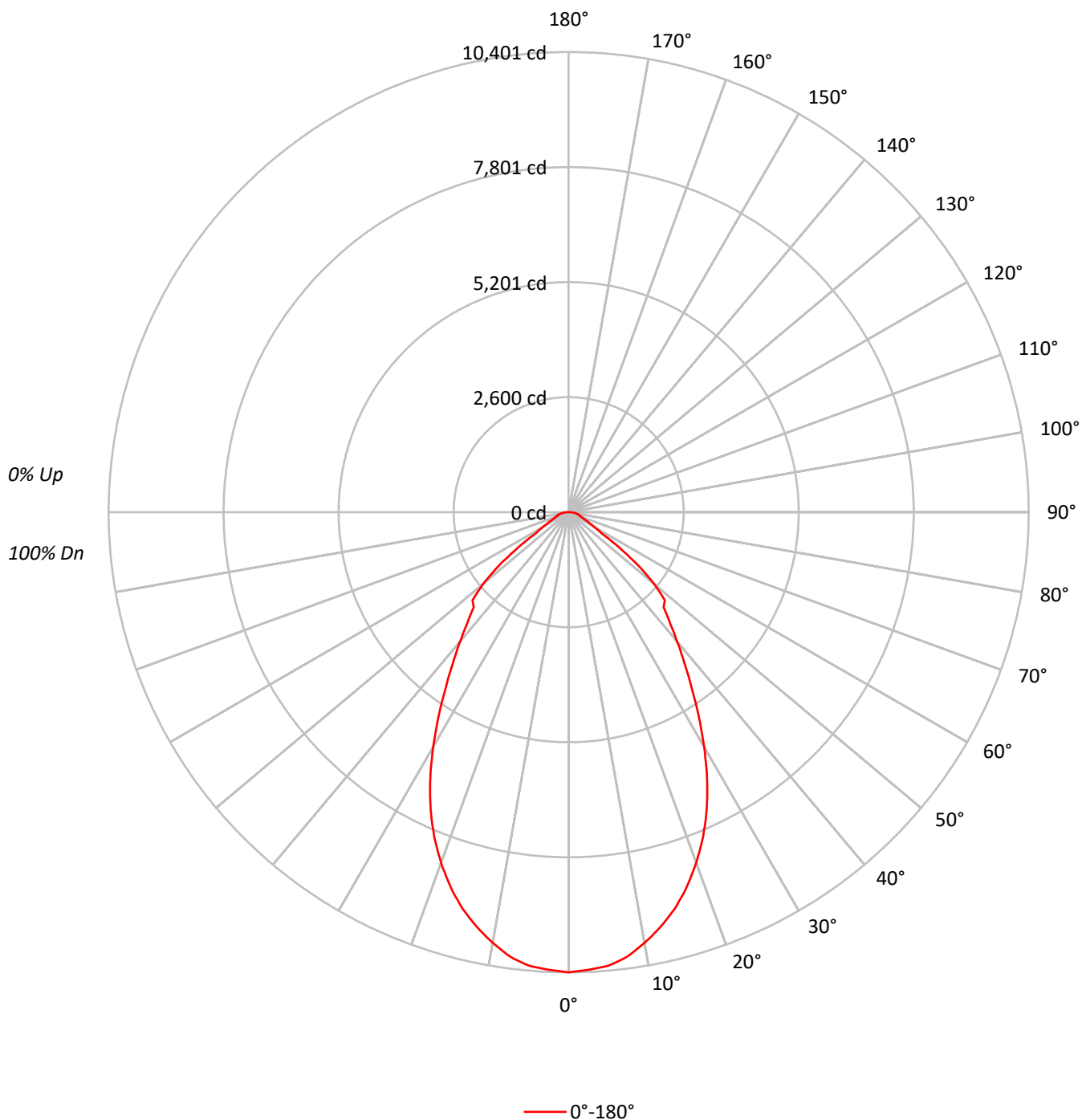
Lumens per Lamp: N/A
Luminaire Lumens: 14490.2 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	90028
5°	89421
10°	86860
15°	83116
20°	77687
25°	70590
30°	61185
35°	51197
40°	43079
45°	37165
50°	34026
55°	20976
60°	11794
65°	8542
70°	7405
75°	8193
80°	9236
85°	9554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 37796 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	969.4	6.7
10°-20°	2595.5	17.9
20°-30°	3368.9	23.2
30°-40°	3047.0	21.0
40°-50°	2415.8	16.7
50°-60°	1295.9	8.9
60°-70°	438.9	3.0
70°-80°	255.6	1.8
80°-90°	103.2	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°	6933.7	47.9
0°-40°	9980.8	68.9
0°-60°	13692.5	94.5
0°-90°	14490.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14490.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10401	
5°	10292	969
15°	9276	2595
25°	7392	3369
35°	4845	3047
45°	3036	2416
55°	1390	1296
65°	417	439
75°	245	256
85°	96	103
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10401.3
2.5°	10352.7
5°	10291.9
7.5°	10136.0
10°	9882.9
12.5°	9602.5
15°	9275.5
17.5°	8882.7
20°	8434.2
22.5°	7941.2
25°	7391.5
27.5°	6773.9
30°	6121.9
32.5°	5474.0
35°	4845.3
37.5°	4296.6
40°	3812.7
42.5°	3382.4
45°	3036.2
47.5°	2950.1
50°	2526.9
52.5°	1997.4
55°	1390.0
57.5°	863.6
60°	681.3
62.5°	535.6
65°	417.1
67.5°	339.2
70°	292.6
72.5°	264.2
75°	245.0
77.5°	219.7
80°	185.3
82.5°	142.7
85°	96.2
87.5°	47.6
90°	0.0

(END OF REPORT)