

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: P1504388

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504388
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-22)
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_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

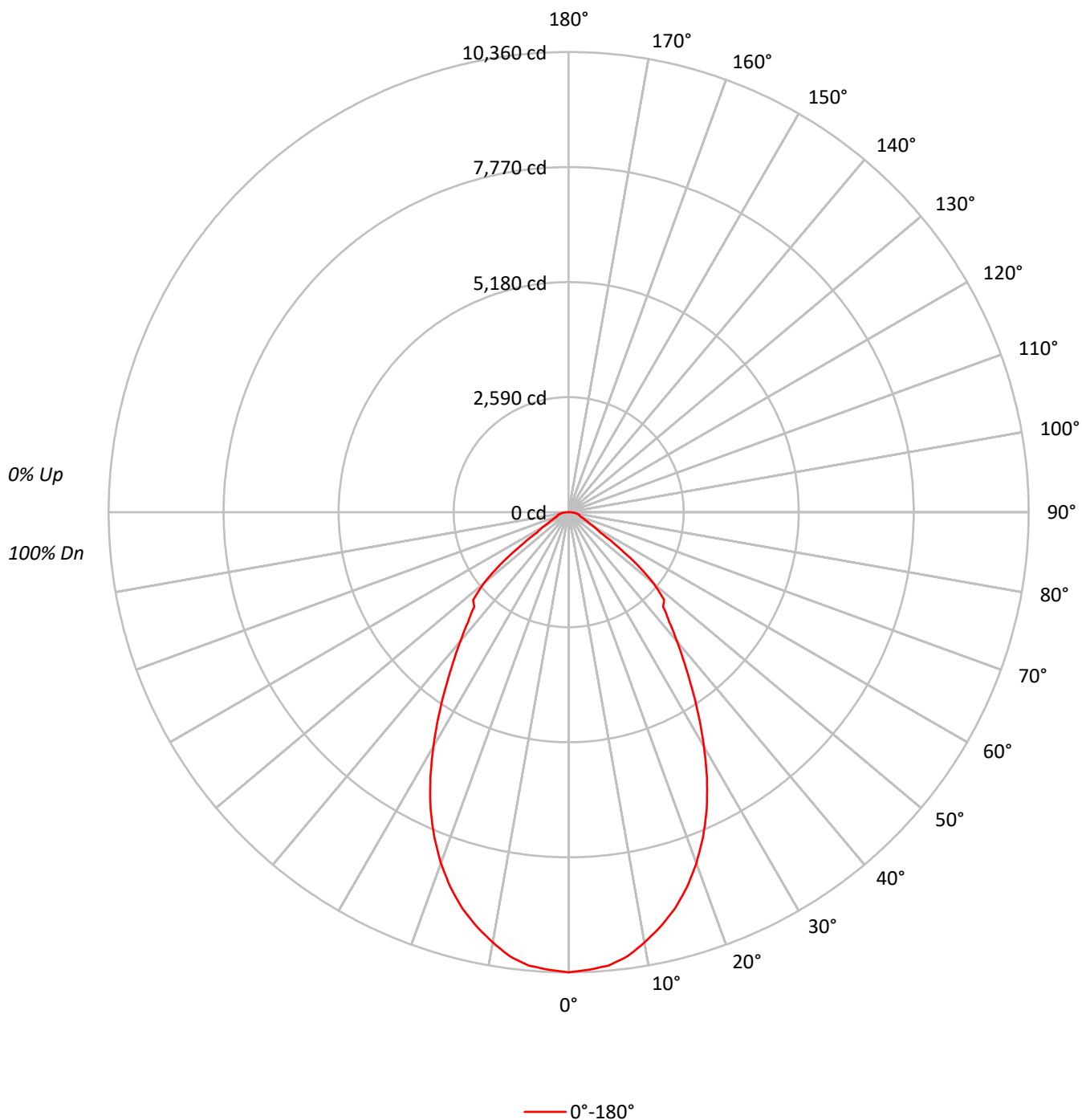
Lumens per Lamp: N/A
Luminaire Lumens: 14391.0 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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	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	61	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	51	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	47	43	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94615
5°	93937
10°	91211
15°	87356
20°	81707
25°	74158
30°	64272
35°	53874
40°	45178
45°	38874
50°	35457
55°	21198
60°	12130
65°	8795
70°	7677
75°	8681
80°	10172
85°	11139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 39416 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	965.0	6.7
10°-20°	2585.1	18.0
20°-30°	3354.6	23.3
30°-40°	3034.5	21.1
40°-50°	2393.3	16.6
50°-60°	1261.1	8.8
60°-70°	428.5	3.0
70°-80°	257.1	1.8
80°-90°	111.7	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°	6904.7	48.0
0°-40°	9939.2	69.1
0°-60°	13593.7	94.5
0°-90°	14391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14391.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10360	
5°	10246	965
15°	9239	2585
25°	7359	3355
35°	4832	3034
45°	3010	2393
55°	1331	1261
65°	407	428
75°	246	257
85°	106	112
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10359.8
2.5°	10310.2
5°	10246.4
7.5°	10090.5
10°	9835.4
12.5°	9558.0
15°	9239.1
17.5°	8850.3
20°	8406.9
22.5°	7909.8
25°	7359.1
27.5°	6741.5
30°	6094.6
32.5°	5452.7
35°	4832.1
37.5°	4276.3
40°	3789.4
42.5°	3355.1
45°	3009.8
47.5°	2915.7
50°	2495.5
52.5°	1952.9
55°	1331.3
57.5°	835.2
60°	664.1
62.5°	521.4
65°	407.0
67.5°	332.1
70°	287.5
72.5°	262.2
75°	246.0
77.5°	224.8
80°	193.4
82.5°	153.9
85°	106.3
87.5°	53.7
90°	0.0

(END OF REPORT)