

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: P1504371

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (4000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504371
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-24)
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 (4000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

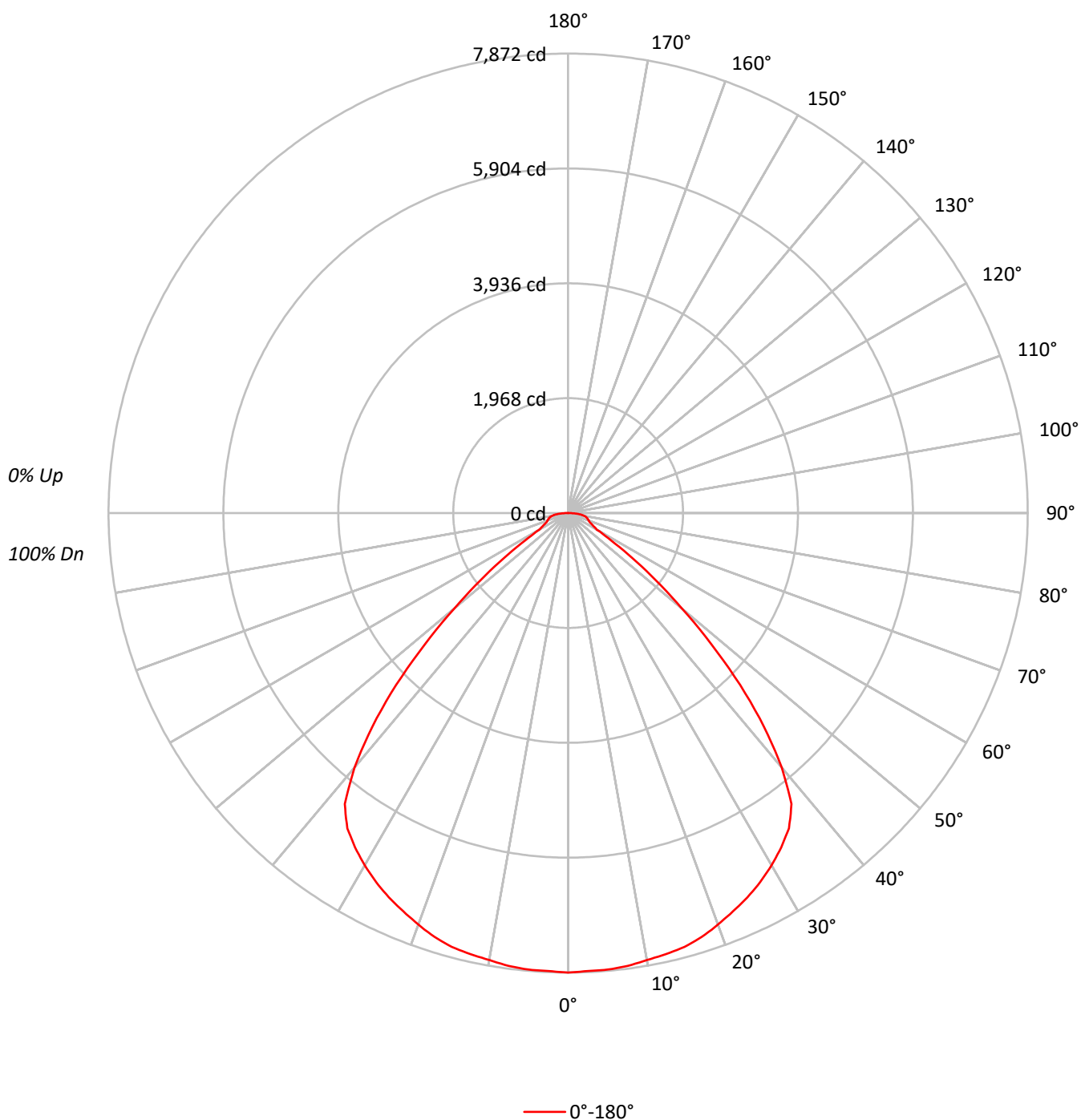
Lumens per Lamp: N/A
Luminaire Lumens: 15732.3 lumens
Efficiency: N/A
Efficacy: 158.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 99.5
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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41		
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71897
5°	71966
10°	72119
15°	72770
20°	72923
25°	73201
30°	73484
35°	73504
40°	67832
45°	53807
50°	36056
55°	21231
60°	10386
65°	9517
70°	10022
75°	11952
80°	14711
85°	18013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53807 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.0	4.7
10°-20°	2171.0	13.8
20°-30°	3349.9	21.3
30°-40°	4068.4	25.9
40°-50°	3176.1	20.2
50°-60°	1247.3	7.9
60°-70°	446.3	2.8
70°-80°	353.1	2.2
80°-90°	173.2	1.1
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°	6267.9	39.8
0°-40°	10336.3	65.7
0°-60°	14759.7	93.8
0°-90°	15732.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15732.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7872	
5°	7850	747
15°	7696	2171
25°	7264	3350
35°	6593	4068
45°	4166	3176
55°	1333	1247
65°	440	446
75°	339	353
85°	172	173
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7872.3
2.5°	7851.0
5°	7849.9
7.5°	7825.5
10°	7776.7
12.5°	7739.1
15°	7696.4
17.5°	7614.0
20°	7503.1
22.5°	7383.1
25°	7264.1
27.5°	7127.8
30°	6968.1
32.5°	6791.1
35°	6592.8
37.5°	6283.6
40°	5689.6
42.5°	4969.5
45°	4166.0
47.5°	3330.0
50°	2537.7
52.5°	1885.7
55°	1333.4
57.5°	865.5
60°	568.6
62.5°	494.3
65°	440.4
67.5°	396.7
70°	375.3
72.5°	355.0
75°	338.7
77.5°	315.3
80°	279.7
82.5°	234.9
85°	171.9
87.5°	89.5
90°	0.0

(END OF REPORT)