

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: P1504380

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504380
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

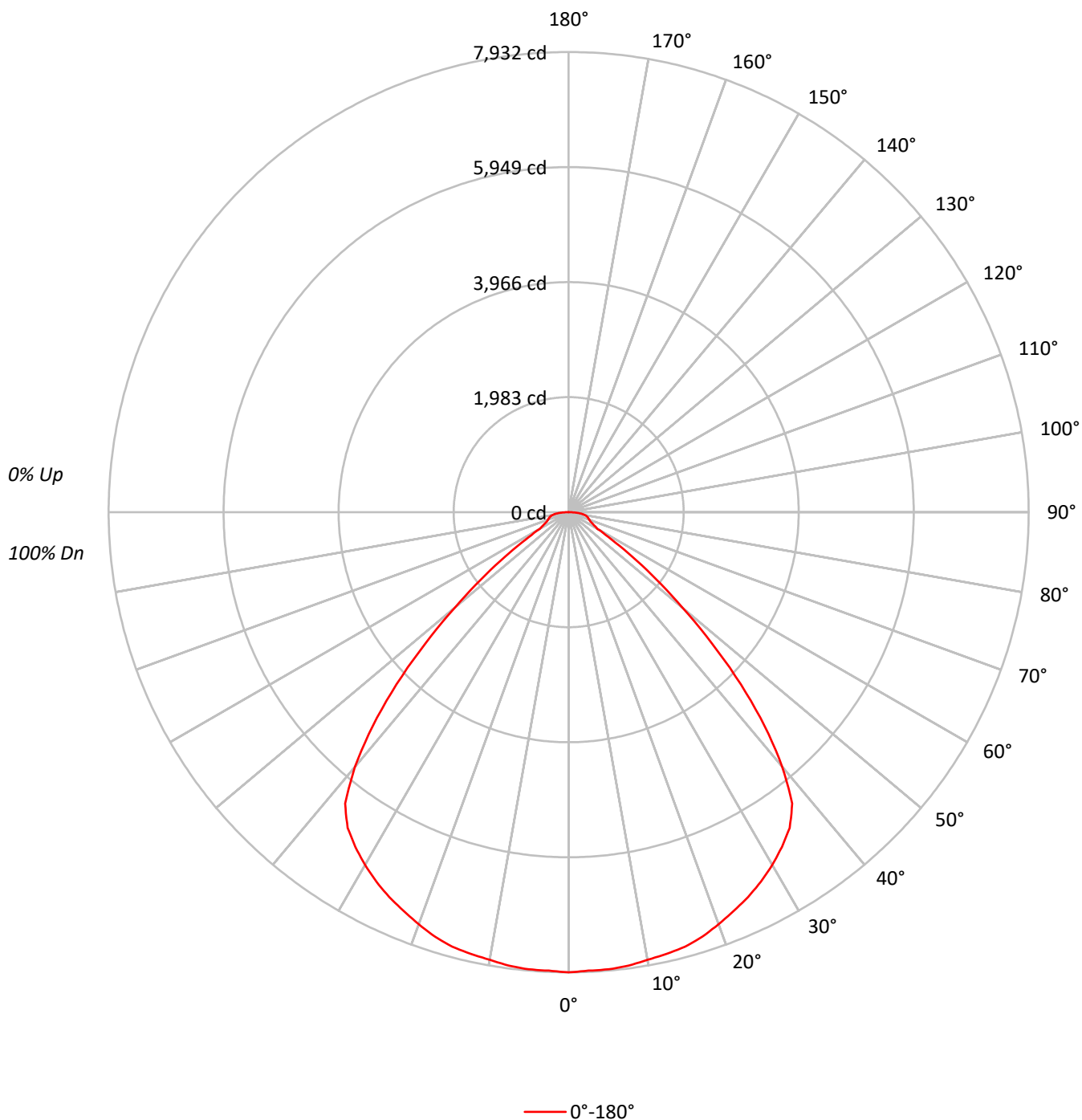
Lumens per Lamp: N/A
Luminaire Lumens: 15850.9 lumens
Efficiency: N/A
Efficacy: 158.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 100.1
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	72439
5°	72509
10°	72663
15°	73318
20°	73473
25°	73752
30°	74038
35°	74059
40°	68344
45°	54213
50°	36328
55°	21392
60°	10463
65°	9588
70°	10096
75°	12040
80°	14821
85°	18149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 54213 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	752.6	4.7
10°-20°	2187.4	13.8
20°-30°	3375.1	21.3
30°-40°	4099.1	25.9
40°-50°	3200.0	20.2
50°-60°	1256.7	7.9
60°-70°	449.6	2.8
70°-80°	355.8	2.2
80°-90°	174.5	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°	6315.2	39.8
0°-40°	10414.2	65.7
0°-60°	14871.0	93.8
0°-90°	15850.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15850.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7932	
5°	7909	753
15°	7754	2187
25°	7319	3375
35°	6642	4099
45°	4197	3200
55°	1344	1257
65°	444	450
75°	341	356
85°	173	174
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7931.7
2.5°	7910.1
5°	7909.1
7.5°	7884.5
10°	7835.3
12.5°	7797.4
15°	7754.4
17.5°	7671.4
20°	7559.7
22.5°	7438.7
25°	7318.8
27.5°	7181.5
30°	7020.6
32.5°	6842.3
35°	6642.5
37.5°	6331.0
40°	5732.5
42.5°	5007.0
45°	4197.4
47.5°	3355.1
50°	2556.8
52.5°	1899.9
55°	1343.5
57.5°	872.1
60°	572.8
62.5°	498.0
65°	443.7
67.5°	399.7
70°	378.1
72.5°	357.6
75°	341.2
77.5°	317.7
80°	281.8
82.5°	236.7
85°	173.2
87.5°	90.2
90°	0.0

(END OF REPORT)