

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: P1504352

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504352
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

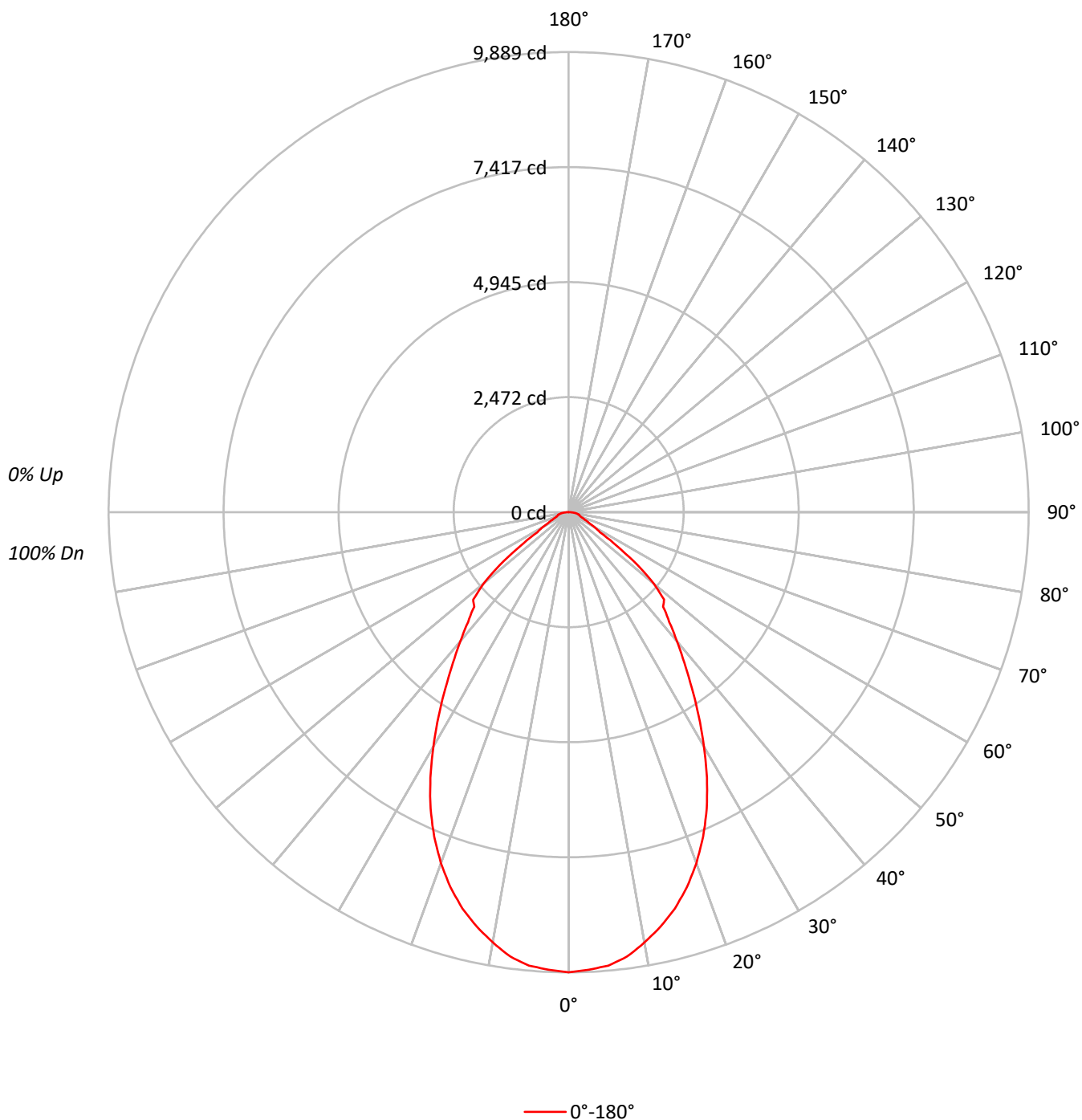
Lumens per Lamp: N/A
Luminaire Lumens: 13736.6 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 102.3
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	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°	90312
5°	89665
10°	87064
15°	83384
20°	77991
25°	70785
30°	61350
35°	51425
40°	43124
45°	37107
50°	33845
55°	20235
60°	11579
65°	8396
70°	7327
75°	8285
80°	9709
85°	10636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 37623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	921.2	6.7
10°-20°	2467.6	18.0
20°-30°	3202.0	23.3
30°-40°	2896.5	21.1
40°-50°	2284.5	16.6
50°-60°	1203.8	8.8
60°-70°	409.0	3.0
70°-80°	245.4	1.8
80°-90°	106.7	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°	6590.8	48.0
0°-40°	9487.3	69.1
0°-60°	12975.6	94.5
0°-90°	13736.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13736.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9889	
5°	9780	921
15°	8819	2468
25°	7024	3202
35°	4612	2897
45°	2873	2284
55°	1271	1204
65°	388	409
75°	235	245
85°	102	107
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9888.7
2.5°	9841.4
5°	9780.5
7.5°	9631.7
10°	9388.2
12.5°	9123.4
15°	8819.0
17.5°	8447.9
20°	8024.6
22.5°	7550.1
25°	7024.4
27.5°	6435.0
30°	5817.5
32.5°	5204.8
35°	4612.4
37.5°	4081.9
40°	3617.1
42.5°	3202.5
45°	2873.0
47.5°	2783.1
50°	2382.1
52.5°	1864.1
55°	1270.8
57.5°	797.2
60°	633.9
62.5°	497.7
65°	388.5
67.5°	317.0
70°	274.4
72.5°	250.3
75°	234.8
77.5°	214.5
80°	184.6
82.5°	146.9
85°	101.5
87.5°	51.2
90°	0.0

(END OF REPORT)