

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: P1504712

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504712
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

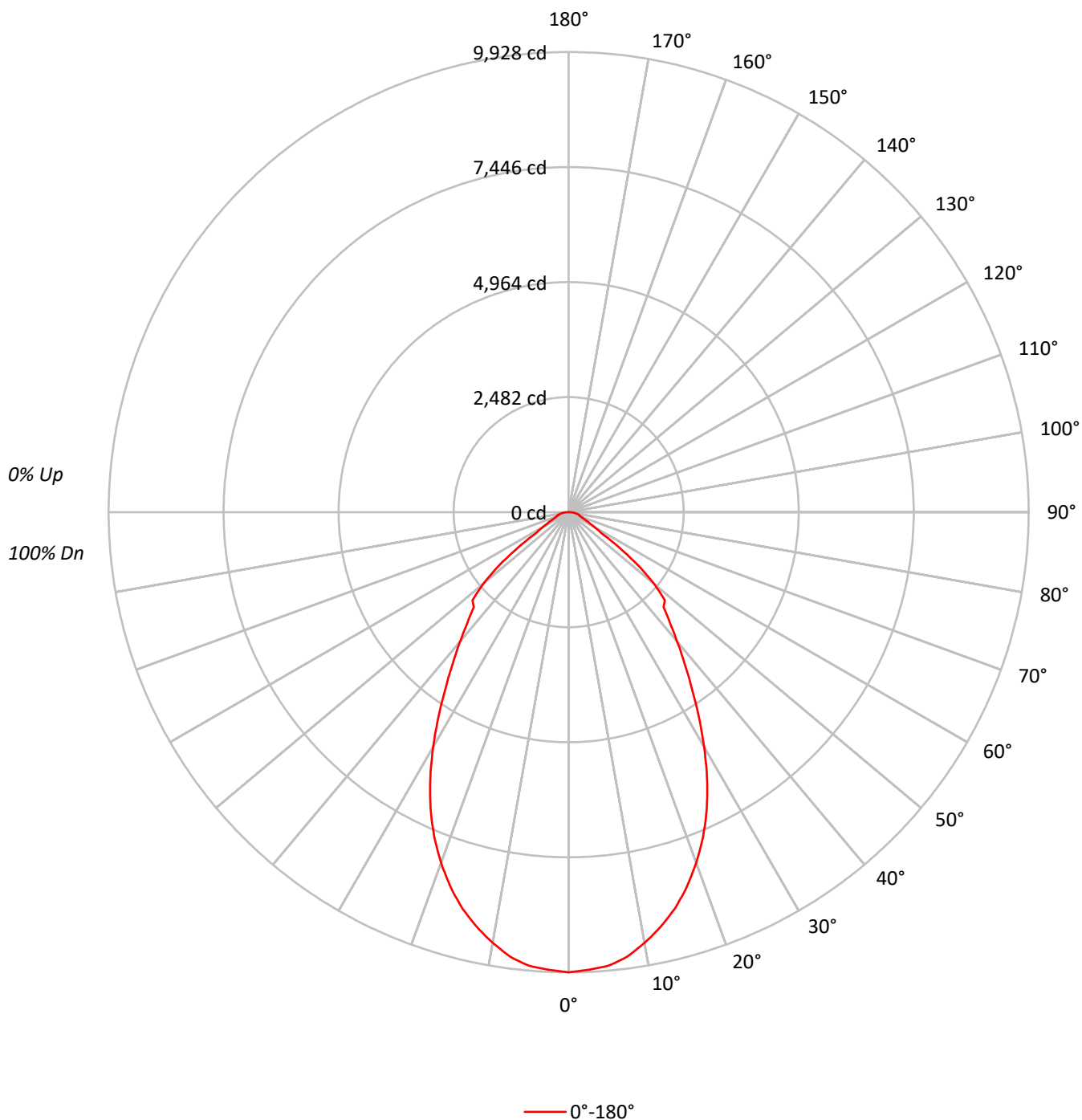
Lumens per Lamp: N/A
Luminaire Lumens: 13831.3 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 102.3
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

TEST NUMBER: P1504712

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3000K_L16_Narrow_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504712

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3000K_L16_Narrow_120V)

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°	85934
5°	85356
10°	82912
15°	79337
20°	74154
25°	67381
30°	58404
35°	48869
40°	41120
45°	35475
50°	32479
55°	20022
60°	11259
65°	8153
70°	7068
75°	7822
80°	8813
85°	9117

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 36078 cd/sqm

TEST NUMBER: P1504712

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3000K_L16_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	925.3	6.7
10°-20°	2477.5	17.9
20°-30°	3215.7	23.2
30°-40°	2908.5	21.0
40°-50°	2305.9	16.7
50°-60°	1237.0	8.9
60°-70°	419.0	3.0
70°-80°	244.0	1.8
80°-90°	98.5	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°	6618.5	47.9
0°-40°	9526.9	68.9
0°-60°	13069.9	94.5
0°-90°	13831.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13831.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9928	
5°	9824	925
15°	8854	2477
25°	7055	3216
35°	4625	2908
45°	2898	2306
55°	1327	1237
65°	398	419
75°	234	244
85°	92	98
90°	0	

TEST NUMBER: P1504712

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3000K_L16_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	9928.3
2.5°	9882.0
5°	9824.0
7.5°	9675.2
10°	9433.6
12.5°	9165.9
15°	8853.8
17.5°	8478.8
20°	8050.7
22.5°	7580.1
25°	7055.4
27.5°	6465.9
30°	5843.6
32.5°	5225.1
35°	4625.0
37.5°	4101.2
40°	3639.3
42.5°	3228.6
45°	2898.1
47.5°	2816.0
50°	2412.0
52.5°	1906.6
55°	1326.8
57.5°	824.3
60°	650.4
62.5°	511.2
65°	398.1
67.5°	323.7
70°	279.3
72.5°	252.2
75°	233.9
77.5°	209.7
80°	176.8
82.5°	136.3
85°	91.8
87.5°	45.4
90°	0.0

(END OF REPORT)