

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: P1504351

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504351
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: Pentalux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3000K_L16_Medium_120V)
Description: Pentalux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

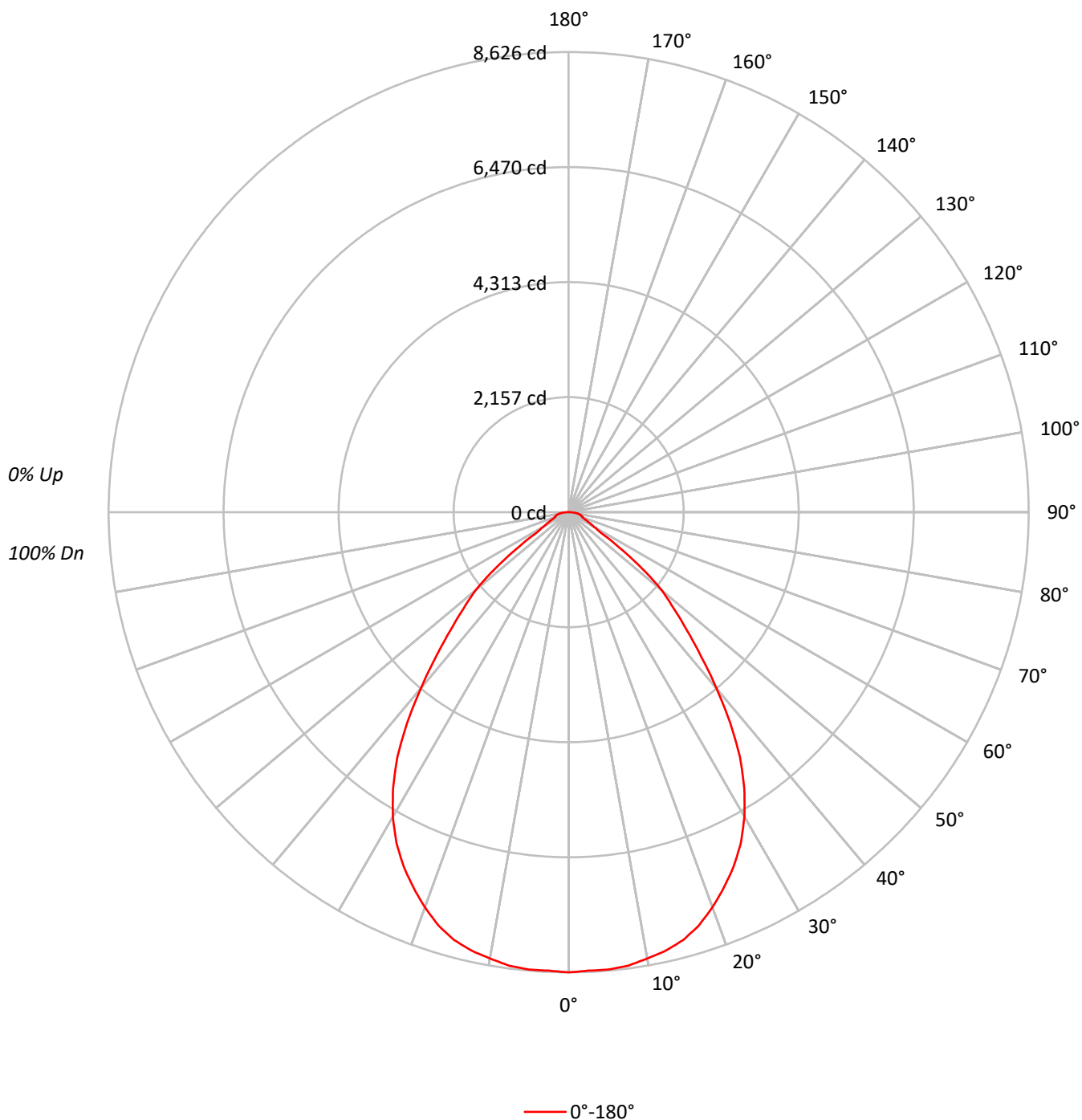
Lumens per Lamp: N/A
Luminaire Lumens: 14273.3 lumens
Efficiency: N/A
Efficacy: 139.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78778
5°	78883
10°	78783
15°	78486
20°	76592
25°	73804
30°	69503
35°	62371
40°	51395
45°	40477
50°	32418
55°	18510
60°	10132
65°	7976
70°	7458
75°	8592
80°	10166
85°	11642

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40477 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.0	5.7
10°-20°	2331.9	16.3
20°-30°	3357.1	23.5
30°-40°	3449.3	24.2
40°-50°	2454.0	17.2
50°-60°	1111.5	7.8
60°-70°	382.3	2.7
70°-80°	253.9	1.8
80°-90°	115.4	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°	6506.9	45.6
0°-40°	9956.2	69.8
0°-60°	13521.7	94.7
0°-90°	14273.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14273.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8626	
5°	8604	818
15°	8301	2332
25°	7324	3357
35°	5594	3449
45°	3134	2454
55°	1162	1112
65°	369	382
75°	244	254
85°	111	115
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8625.7
2.5°	8602.5
5°	8604.4
7.5°	8572.6
10°	8495.2
12.5°	8417.9
15°	8301.0
17.5°	8121.3
20°	7880.6
22.5°	7611.0
25°	7324.0
27.5°	6989.7
30°	6590.6
32.5°	6125.7
35°	5594.2
37.5°	4970.9
40°	4310.9
42.5°	3685.7
45°	3133.9
47.5°	2670.0
50°	2281.6
52.5°	1746.2
55°	1162.5
57.5°	700.6
60°	554.7
62.5°	451.3
65°	369.1
67.5°	310.2
70°	279.3
72.5°	258.0
75°	243.5
77.5°	223.2
80°	193.3
82.5°	156.5
85°	111.1
87.5°	59.9
90°	0.0

(END OF REPORT)