

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: P1504737

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504737
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-36)
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 (5000K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

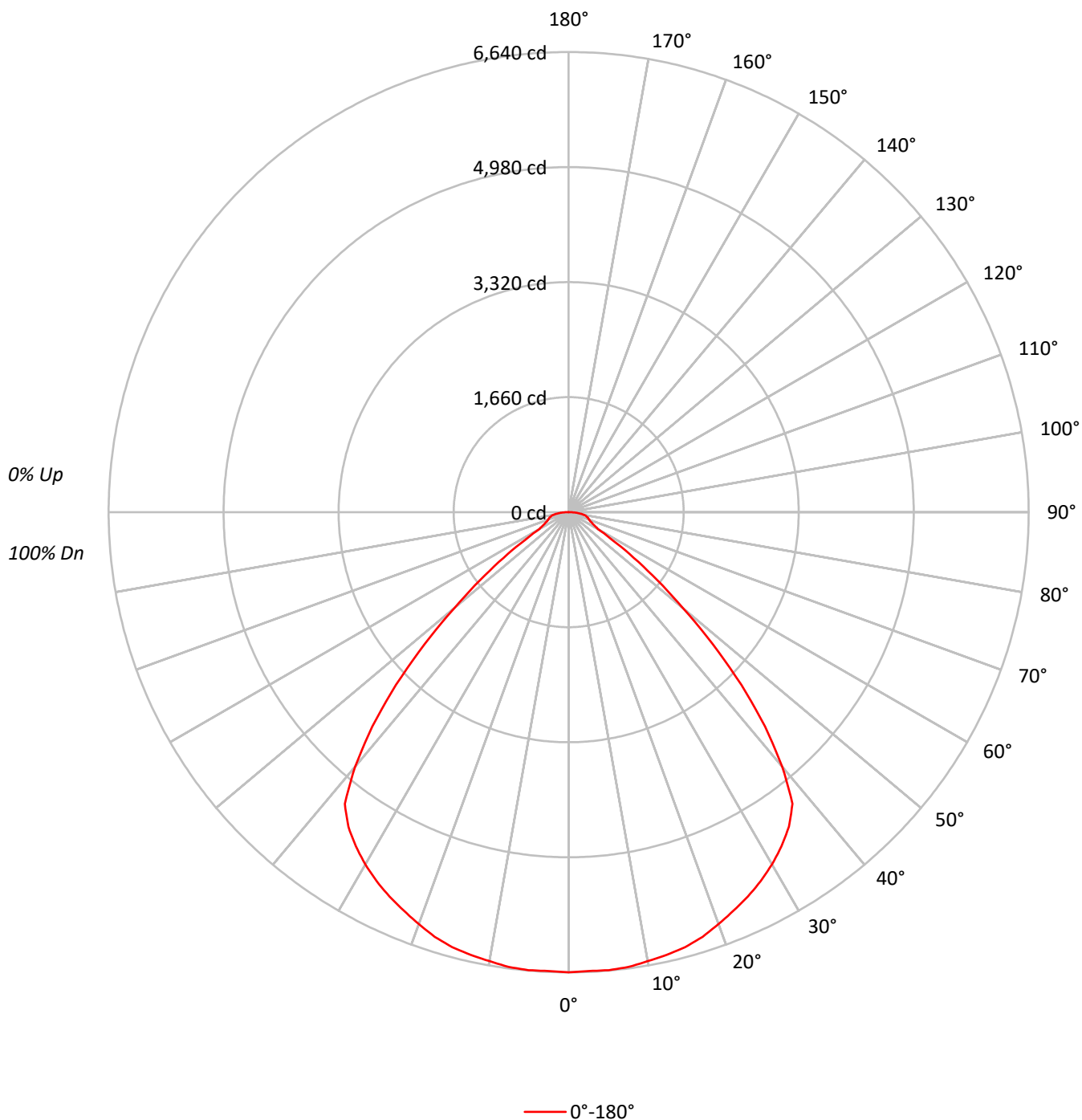
Lumens per Lamp: N/A
Luminaire Lumens: 13269.5 lumens
Efficiency: N/A
Efficacy: 163.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 81.1
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					10
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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91			89
2	104	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	72			70
4	89	80	72	67	87	78	72	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	46	40	36	45	39	35			34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57470
5°	57638
10°	57810
15°	58215
20°	58271
25°	58442
30°	58648
35°	58558
40°	54178
45°	43140
50°	29015
55°	17325
60°	8463
65°	7674
70°	7974
75°	9370
80°	11165
85°	12602

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 43140 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	631.5	4.8
10°-20°	1833.0	13.8
20°-30°	2822.2	21.3
30°-40°	3426.8	25.8
40°-50°	2684.0	20.2
50°-60°	1068.6	8.1
60°-70°	380.0	2.9
70°-80°	291.7	2.2
80°-90°	131.8	1.0
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°	5286.6	39.8
0°-40°	8713.4	65.7
0°-60°	12466.1	93.9
0°-90°	13269.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13269.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6640	
5°	6634	631
15°	6497	1833
25°	6119	2822
35°	5542	3427
45°	3524	2684
55°	1148	1069
65°	375	380
75°	280	292
85°	127	132
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6639.8
2.5°	6627.0
5°	6633.8
7.5°	6618.5
10°	6577.6
12.5°	6541.8
15°	6496.7
17.5°	6424.3
20°	6326.3
22.5°	6221.6
25°	6119.4
27.5°	6003.6
30°	5868.1
32.5°	5715.7
35°	5541.9
37.5°	5306.0
40°	4795.0
42.5°	4192.9
45°	3524.3
47.5°	2817.4
50°	2154.8
52.5°	1608.8
55°	1148.1
57.5°	750.3
60°	488.9
62.5°	423.3
65°	374.7
67.5°	335.6
70°	315.1
72.5°	297.2
75°	280.2
77.5°	257.2
80°	224.0
82.5°	182.3
85°	126.9
87.5°	63.0
90°	0.0

(END OF REPORT)