

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: P1504389

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (6500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504389
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

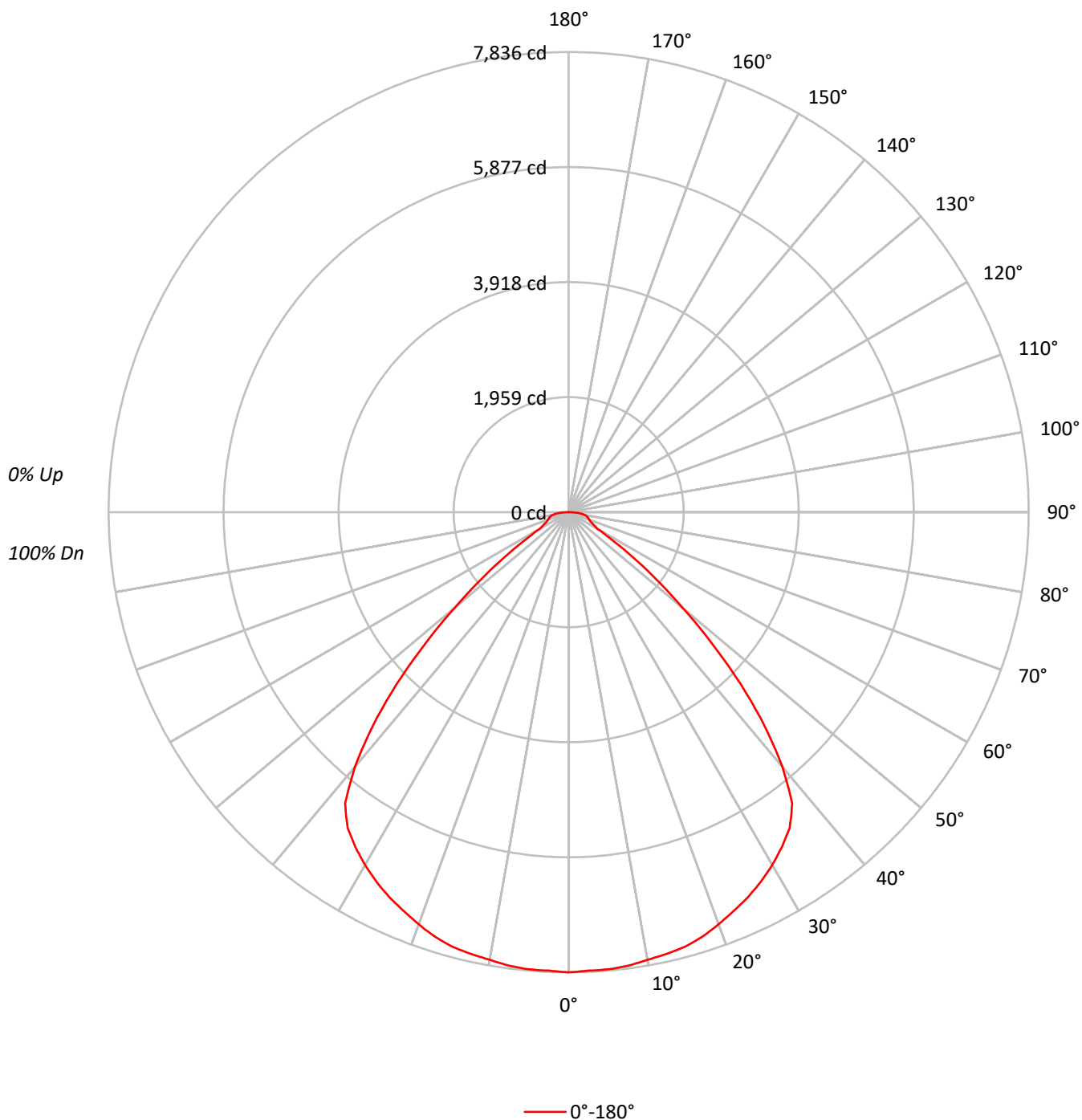
Lumens per Lamp: N/A
Luminaire Lumens: 15659.5 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 102.5
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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101	109	105	102	99		101	99	96		97	95	93		94	92	91
2	103	97	92	87	101	95	90	86		92	88	84		89	85	82		86	83	80
3	96	88	81	76	94	86	80	75		83	78	74		81	76	73		78	75	71
4	89	79	72	67	87	78	71	66		76	70	65		74	69	65		72	67	64
5	83	72	65	59	81	71	64	59		69	63	58		68	62	58		66	61	57
6	78	66	58	53	76	65	58	53		64	57	52		62	56	52		61	55	51
7	72	61	53	48	71	60	53	47		58	52	47		57	51	47		56	51	47
8	68	56	48	43	66	55	48	43		54	47	43		53	47	43		52	46	42
9	64	52	44	39	62	51	44	39		50	43	39		49	43	39		48	43	39
10	60	48	41	36	59	47	40	36		46	40	36		45	40	36		45	39	35

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71564
5°	71633
10°	71786
15°	72433
20°	72586
25°	72862
30°	73144
35°	73164
40°	67519
45°	53558
50°	35889
55°	21133
60°	10337
65°	9474
70°	9976
75°	11895
80°	14642
85°	17929

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 53558 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	743.5	4.7
10°-20°	2161.0	13.8
20°-30°	3334.4	21.3
30°-40°	4049.6	25.9
40°-50°	3161.4	20.2
50°-60°	1241.5	7.9
60°-70°	444.2	2.8
70°-80°	351.5	2.2
80°-90°	172.4	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°	6238.9	39.8
0°-40°	10288.5	65.7
0°-60°	14691.4	93.8
0°-90°	15659.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15659.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7836	
5°	7814	744
15°	7661	2161
25°	7230	3334
35°	6562	4050
45°	4147	3161
55°	1327	1242
65°	438	444
75°	337	351
85°	171	172
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7835.9
2.5°	7814.6
5°	7813.6
7.5°	7789.3
10°	7740.7
12.5°	7703.3
15°	7660.8
17.5°	7578.7
20°	7468.4
22.5°	7348.9
25°	7230.5
27.5°	7094.8
30°	6935.9
32.5°	6759.7
35°	6562.3
37.5°	6254.5
40°	5663.3
42.5°	4946.5
45°	4146.7
47.5°	3314.6
50°	2525.9
52.5°	1877.0
55°	1327.2
57.5°	861.5
60°	565.9
62.5°	492.0
65°	438.4
67.5°	394.8
70°	373.6
72.5°	353.3
75°	337.1
77.5°	313.8
80°	278.4
82.5°	233.9
85°	171.1
87.5°	89.1
90°	0.0

(END OF REPORT)