

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: P1504902

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504902
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-60)
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-06-WHGL-PS (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

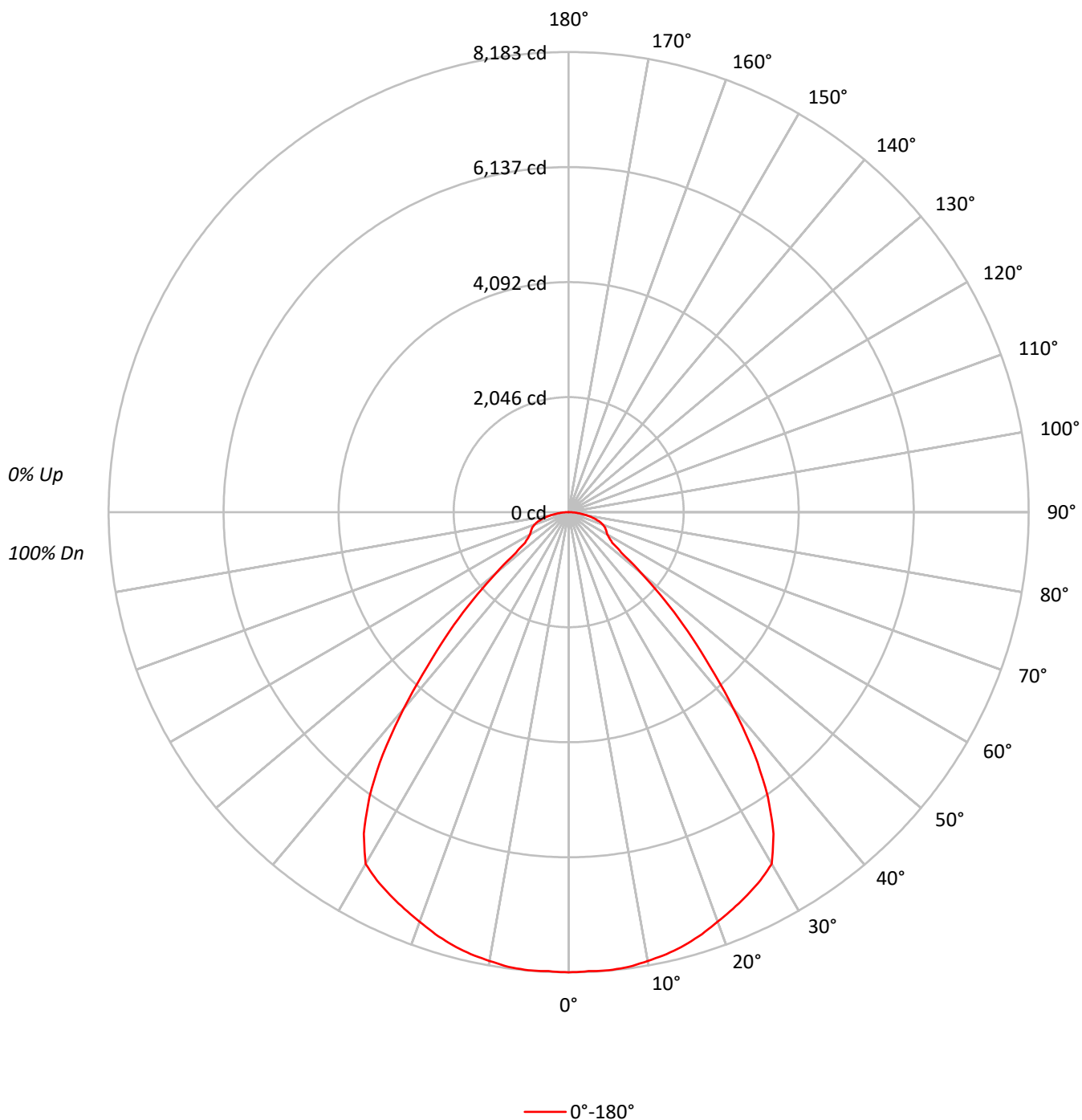
Lumens per Lamp: N/A
Luminaire Lumens: 14953.3 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 100.5
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

TEST NUMBER: P1504902

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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62		
5	83	73	65	59	82	72	64	59	70	63	59	68	62	58	66	61	57	56		
6	78	67	59	54	76	66	59	53	64	58	53	62	57	52	61	56	52	50		
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	57	51	47	46		
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42		
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66360
5°	66573
10°	66725
15°	66929
20°	66865
25°	67234
30°	67618
35°	61161
40°	48305
45°	34337
50°	21233
55°	13375
60°	12878
65°	13989
70°	15317
75°	15980
80°	15318
85°	14143

MAXIMUM LUMINANCE 45°-90°:

Luminance: 34337 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	778.2	5.2
10°-20°	2249.7	15.0
20°-30°	3466.4	23.2
30°-40°	3780.9	25.3
40°-50°	2319.2	15.5
50°-60°	940.2	6.3
60°-70°	719.7	4.8
70°-80°	528.5	3.5
80°-90°	170.3	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°	6494.4	43.4
0°-40°	10275.3	68.7
0°-60°	13534.7	90.5
0°-90°	14953.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14953.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8183	
5°	8178	778
15°	7972	2250
25°	7514	3466
35°	6178	3781
45°	2994	2319
55°	946	940
65°	729	720
75°	510	529
85°	152	170
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8183
2.5°	8170
5°	8178
7.5°	8157
10°	8103
12.5°	8050
15°	7972
17.5°	7871
20°	7748
22.5°	7635
25°	7514
27.5°	7383
30°	7221
32.5°	6782
35°	6178
37.5°	5431
40°	4563
42.5°	3708
45°	2994
47.5°	2309
50°	1683
52.5°	1180
55°	946
57.5°	858
60°	794
62.5°	761
65°	729
67.5°	694
70°	646
72.5°	584
75°	510
77.5°	422
80°	328
82.5°	237
85°	152
87.5°	73
90°	0

(END OF REPORT)