

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: P1504561

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504561
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-47)
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-06-WHGL-PS (5000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

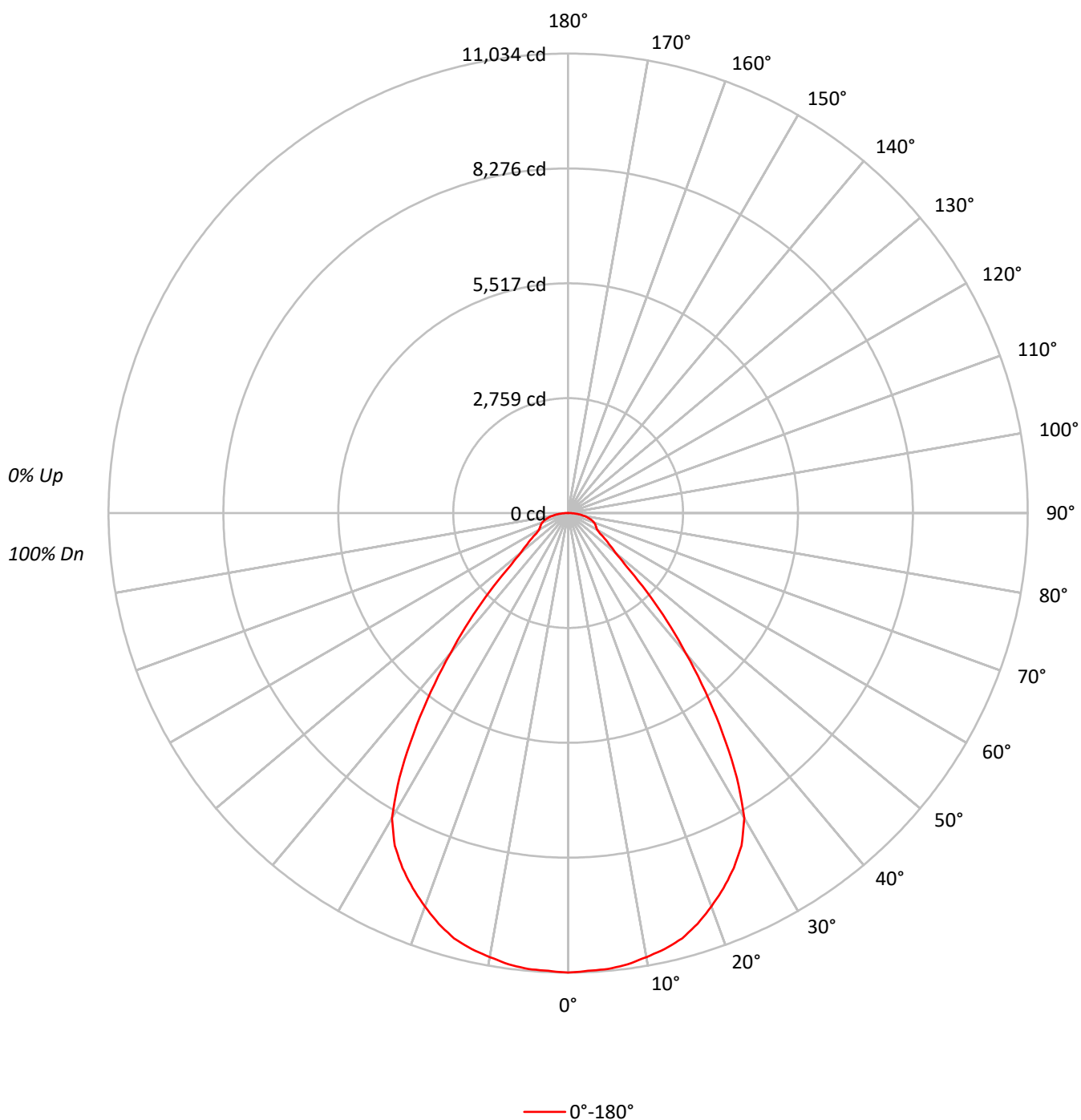
Lumens per Lamp: N/A
Luminaire Lumens: 16908.9 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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	0		
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	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	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	51	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	48	43	53	47	43	52	47	43	51	46	43	41		
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90640
5°	90621
10°	90301
15°	89927
20°	87884
25°	85250
30°	80232
35°	64901
40°	47162
45°	30798
50°	19052
55°	15348
60°	13220
65°	14220
70°	15847
75°	17139
80°	18241
85°	18624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30798 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1043.8	6.2
10°-20°	2970.8	17.6
20°-30°	4308.8	25.5
30°-40°	4009.4	23.7
40°-50°	2096.8	12.4
50°-60°	976.3	5.8
60°-70°	726.4	4.3
70°-80°	563.4	3.3
80°-90°	213.1	1.3
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°	8323.4	49.2
0°-40°	12332.8	72.9
0°-60°	15405.9	91.1
0°-90°	16908.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16908.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11034	
5°	10990	###
15°	10574	2971
25°	9406	4309
35°	6472	4009
45°	2651	2097
55°	1072	976
65°	732	726
75°	540	563
85°	198	213
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11034.2
2.5°	11004.3
5°	10989.9
7.5°	10930.0
10°	10825.9
12.5°	10722.9
15°	10574.4
17.5°	10340.9
20°	10053.5
22.5°	9747.0
25°	9405.7
27.5°	9008.2
30°	8458.6
32.5°	7536.6
35°	6472.0
37.5°	5414.7
40°	4398.1
42.5°	3509.6
45°	2651.1
47.5°	1890.7
50°	1490.8
52.5°	1254.9
55°	1071.7
57.5°	905.2
60°	804.7
62.5°	765.2
65°	731.6
67.5°	701.7
70°	659.8
72.5°	604.7
75°	540.0
77.5°	467.0
80°	385.6
82.5°	294.6
85°	197.6
87.5°	98.2
90°	0.0

(END OF REPORT)