

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: P1504562

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504562
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-46)
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_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

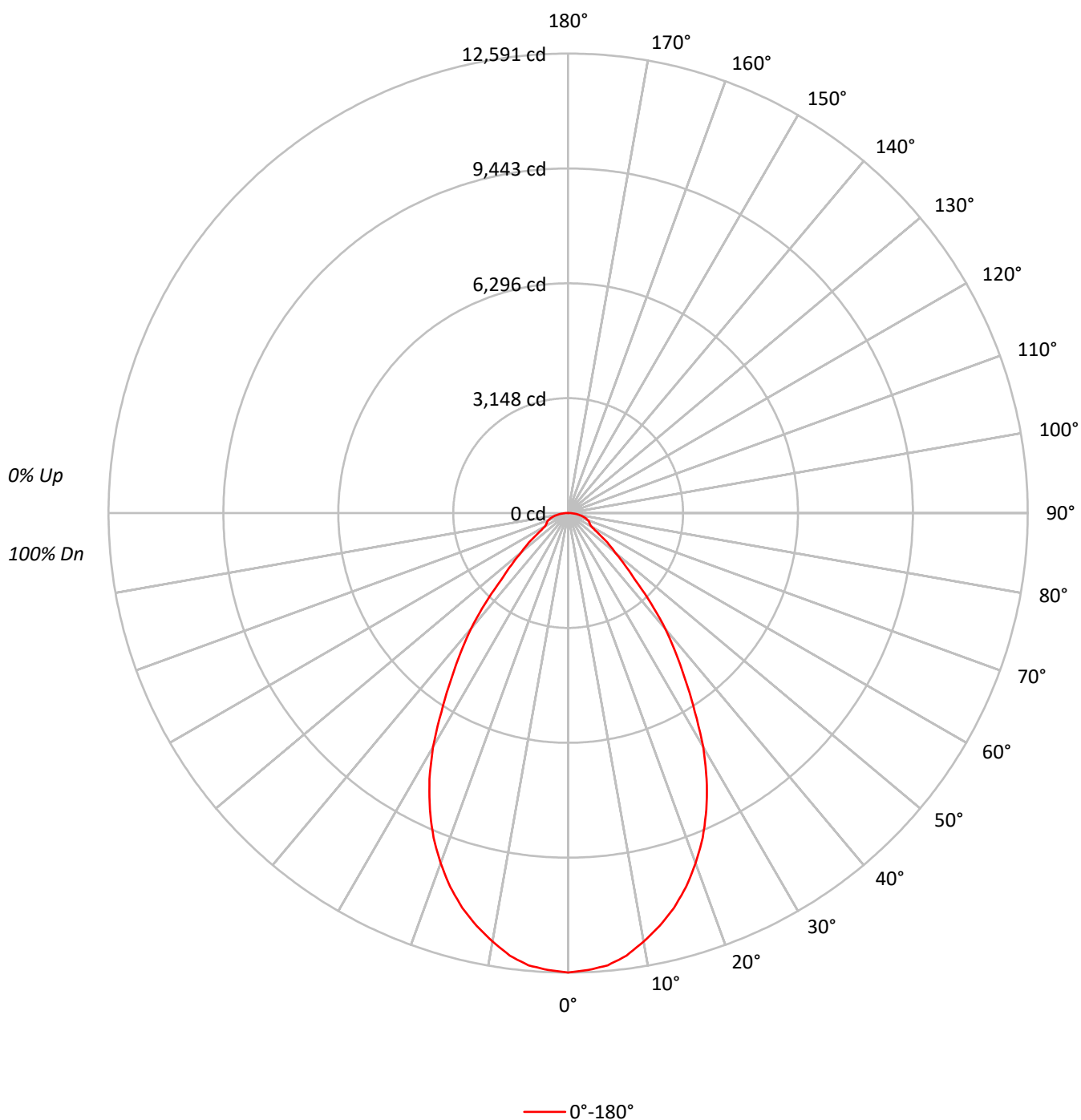
Lumens per Lamp: N/A
Luminaire Lumens: 16338.4 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	50		
8	71	60	53	48	70	59	53	48	58	52	48	57	52	48	56	51	47	46		
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42		
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103427
5°	102568
10°	99419
15°	95233
20°	89266
25°	81246
30°	70158
35°	56220
40°	44427
45°	30088
50°	21439
55°	15931
60°	12079
65°	12568
70°	13863
75°	14708
80°	15123
85°	15570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30088 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1170.8	7.2
10°-20°	3135.2	19.2
20°-30°	4083.5	25.0
30°-40°	3524.7	21.6
40°-50°	2097.2	12.8
50°-60°	1021.5	6.3
60°-70°	644.8	3.9
70°-80°	483.4	3.0
80°-90°	177.4	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°	8389.4	51.3
0°-40°	11914.1	72.9
0°-60°	15032.8	92.0
0°-90°	16338.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16338.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12591	
5°	12439	###
15°	11198	3135
25°	8964	4083
35°	5606	3525
45°	2590	2097
55°	1112	1022
65°	647	645
75°	463	483
85°	165	177
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12590.9
2.5°	12532.2
5°	12438.8
7.5°	12234.0
10°	11919.1
12.5°	11583.8
15°	11198.3
17.5°	10739.7
20°	10211.6
22.5°	9628.4
25°	8963.9
27.5°	8221.5
30°	7396.5
32.5°	6461.3
35°	5606.3
37.5°	4857.9
40°	4143.1
42.5°	3363.6
45°	2590.0
47.5°	2103.9
50°	1677.6
52.5°	1408.2
55°	1112.4
57.5°	865.7
60°	735.2
62.5°	681.3
65°	646.6
67.5°	617.9
70°	577.2
72.5°	525.7
75°	463.4
77.5°	394.0
80°	319.7
82.5°	244.3
85°	165.2
87.5°	82.6
90°	0.0

(END OF REPORT)