

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: P1504913

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (4000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504913
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-58)
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 (4000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

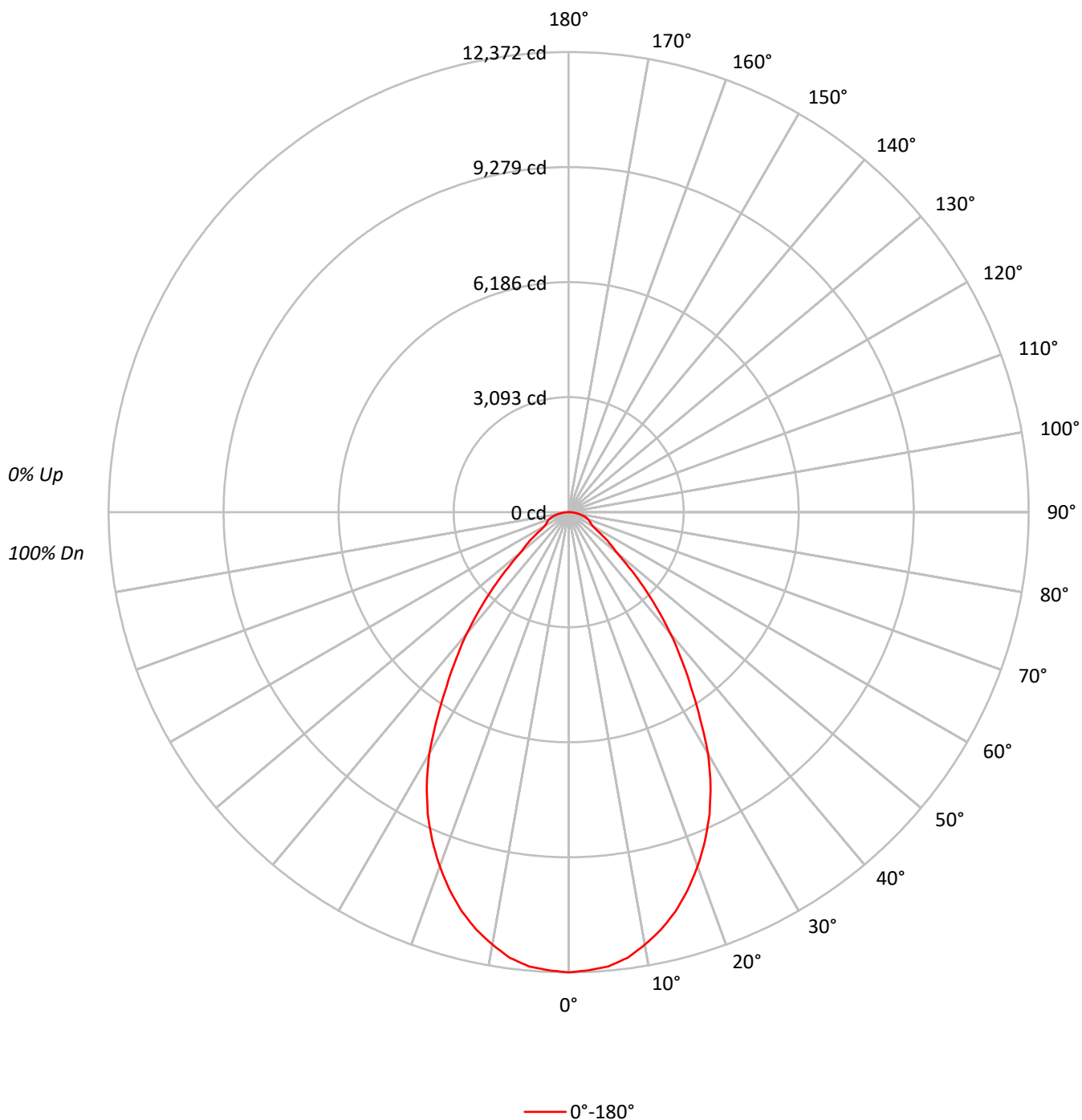
Lumens per Lamp: N/A
Luminaire Lumens: 16445.4 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90							
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80							
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72							
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65							
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59							
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54							
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49							
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46							
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42							
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	100331
5°	99776
10°	97232
15°	93230
20°	87449
25°	80171
30°	70231
35°	56743
40°	45048
45°	32759
50°	21203
55°	16087
60°	12098
65°	12285
70°	13235
75°	13545
80°	13422
85°	13147

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32759 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1155.7	7.0
10°-20°	3108.9	18.9
20°-30°	4085.2	24.8
30°-40°	3599.5	21.9
40°-50°	2213.3	13.5
50°-60°	1036.7	6.3
60°-70°	639.1	3.9
70°-80°	452.5	2.8
80°-90°	154.5	0.9
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°	8349.8	50.8
0°-40°	11949.3	72.7
0°-60°	15199.4	92.4
0°-90°	16445.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16445.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12372	
5°	12257	###
15°	11105	3109
25°	8960	4085
35°	5732	3600
45°	2856	2213
55°	1138	1037
65°	640	639
75°	432	453
85°	141	154
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12372.0
2.5°	12325.7
5°	12256.8
7.5°	12085.8
10°	11807.8
12.5°	11489.5
15°	11104.7
17.5°	10646.3
20°	10133.2
22.5°	9573.8
25°	8959.8
27.5°	8261.4
30°	7500.1
32.5°	6582.1
35°	5731.7
37.5°	4979.9
40°	4255.4
42.5°	3534.5
45°	2856.4
47.5°	2215.0
50°	1680.6
52.5°	1419.3
55°	1137.8
57.5°	889.6
60°	745.9
62.5°	681.7
65°	640.2
67.5°	605.7
70°	558.2
72.5°	500.0
75°	432.3
77.5°	359.9
80°	287.4
82.5°	213.8
85°	141.3
87.5°	68.9
90°	0.0

(END OF REPORT)