

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: P1504671

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504671
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-39)
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-04-TRWH-PS (3000K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

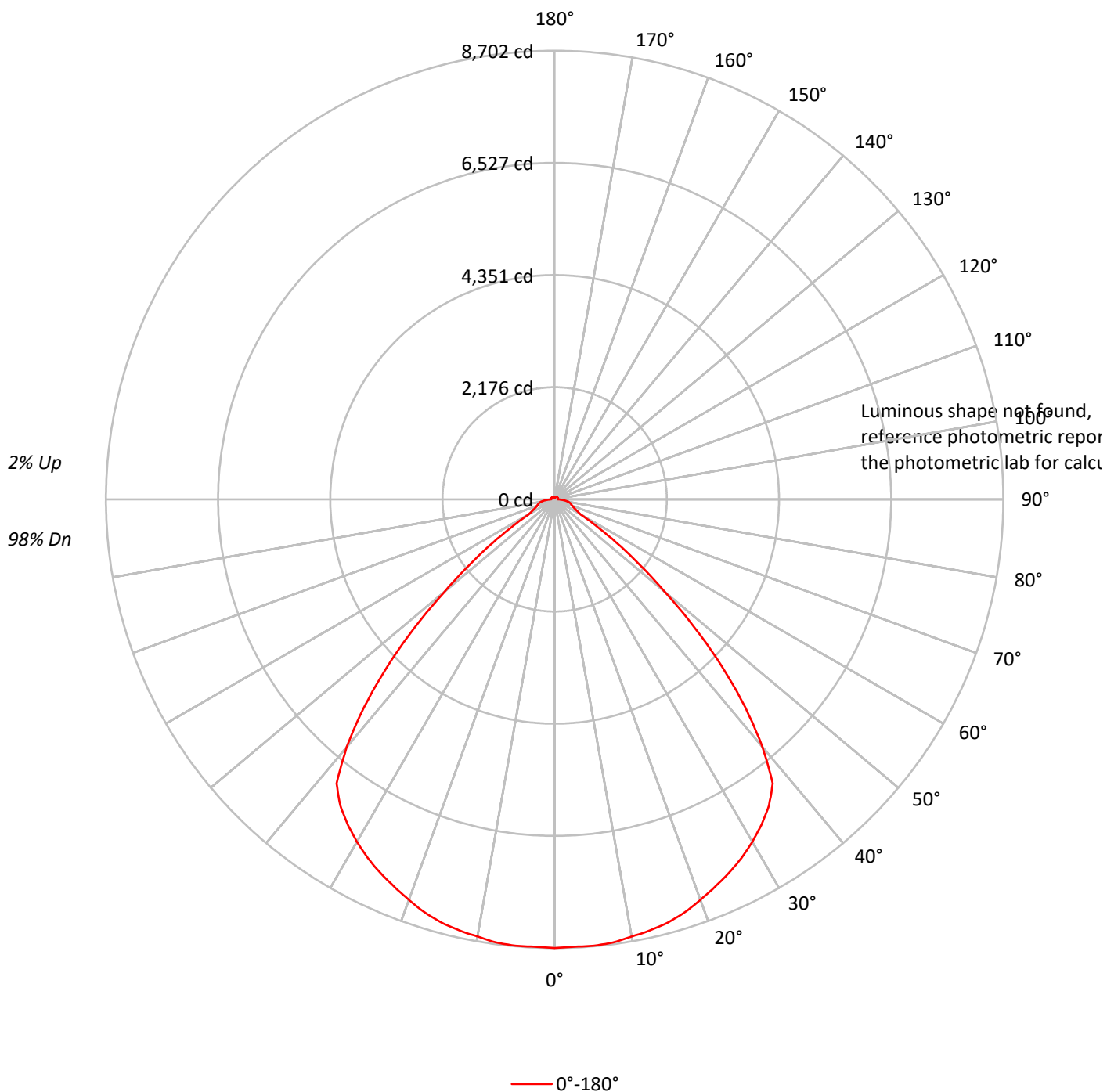
Lumens per Lamp: N/A
Luminaire Lumens: 17618.5 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 122.9
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	110	110	110	105	105	105	100	100	100	98		
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	91	89	87		
2	103	97	91	87	100	95	90	86	91	87	83	87	84	81	84	81	79	77		
3	96	87	81	76	93	86	80	75	83	77	73	80	75	72	77	73	70	68		
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63	61		
5	83	72	65	59	81	71	64	59	69	63	58	67	61	57	65	60	56	54		
6	77	66	58	53	75	65	58	52	63	57	52	61	56	51	60	55	51	49		
7	72	60	53	47	70	60	52	47	58	51	47	56	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	36		
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.1	4.7
10°-20°	2397.3	13.6
20°-30°	3688.1	20.9
30°-40°	4481.7	25.4
40°-50°	3502.7	19.9
50°-60°	1358.2	7.7
60°-70°	442.6	2.5
70°-80°	340.6	1.9
80°-90°	189.7	1.1
90°-100°	70.0	0.4
100°-110°	70.0	0.4
110°-120°	65.7	0.4
120°-130°	58.1	0.3
130°-140°	48.2	0.3
140°-150°	37.4	0.2
150°-160°	25.0	0.1
160°-170°	12.6	0.1
170°-180°	3.4	0.0
0°-30°	6912.5	39.2
0°-40°	11394.3	64.7
0°-60°	16255.2	92.3
0°-90°	17228.1	97.8
90°-120°	205.7	1.2
90°-150°	349.4	2.0
90°-180°	390.0	2.2
0°-180°	17618.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8702	
5°	8691	827
15°	8498	2397
25°	7996	3688
35°	7248	4482
45°	4601	3503
55°	1455	1358
65°	435	443
75°	326	341
85°	179	165
90°	64	42
95°	64	53
105°	66	70
115°	66	66
125°	65	58
135°	62	48
145°	60	37
155°	54	25
165°	44	13
175°	35	3
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8702.4
2.5°	8684.5
5°	8691.2
7.5°	8669.9
10°	8610.3
12.5°	8562.0
15°	8498.0
17.5°	8398.0
20°	8266.5
22.5°	8131.7
25°	7995.8
27.5°	7846.4
30°	7667.7
32.5°	7470.0
35°	7247.5
37.5°	6946.5
40°	6273.5
42.5°	5474.7
45°	4600.6
47.5°	3677.1
50°	2789.6
52.5°	2064.9
55°	1454.9
57.5°	935.9
60°	580.8
62.5°	496.6
65°	434.8
67.5°	386.5
70°	361.8
72.5°	341.5
75°	325.8
77.5°	304.5
80°	273.0
82.5°	231.4
85°	178.6
87.5°	118.0
90°	64.0
92.5°	62.9
95°	64.0
97.5°	65.2
100°	65.2
102.5°	66.3
105°	66.3
107.5°	66.3
110°	66.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	66.3
115°	66.3
117.5°	66.3
120°	65.2
122.5°	65.2
125°	65.2
127.5°	64.0
130°	64.0
132.5°	62.9
135°	61.8
137.5°	61.8
140°	60.7
142.5°	60.7
145°	59.5
147.5°	58.4
150°	58.4
152.5°	56.2
155°	53.9
157.5°	50.6
160°	49.4
162.5°	46.1
165°	43.8
167.5°	41.6
170°	38.2
172.5°	36.0
175°	34.8
177.5°	34.8
180°	34.8

(END OF REPORT)