

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: P1504696

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504696
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-38)
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 (5000K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

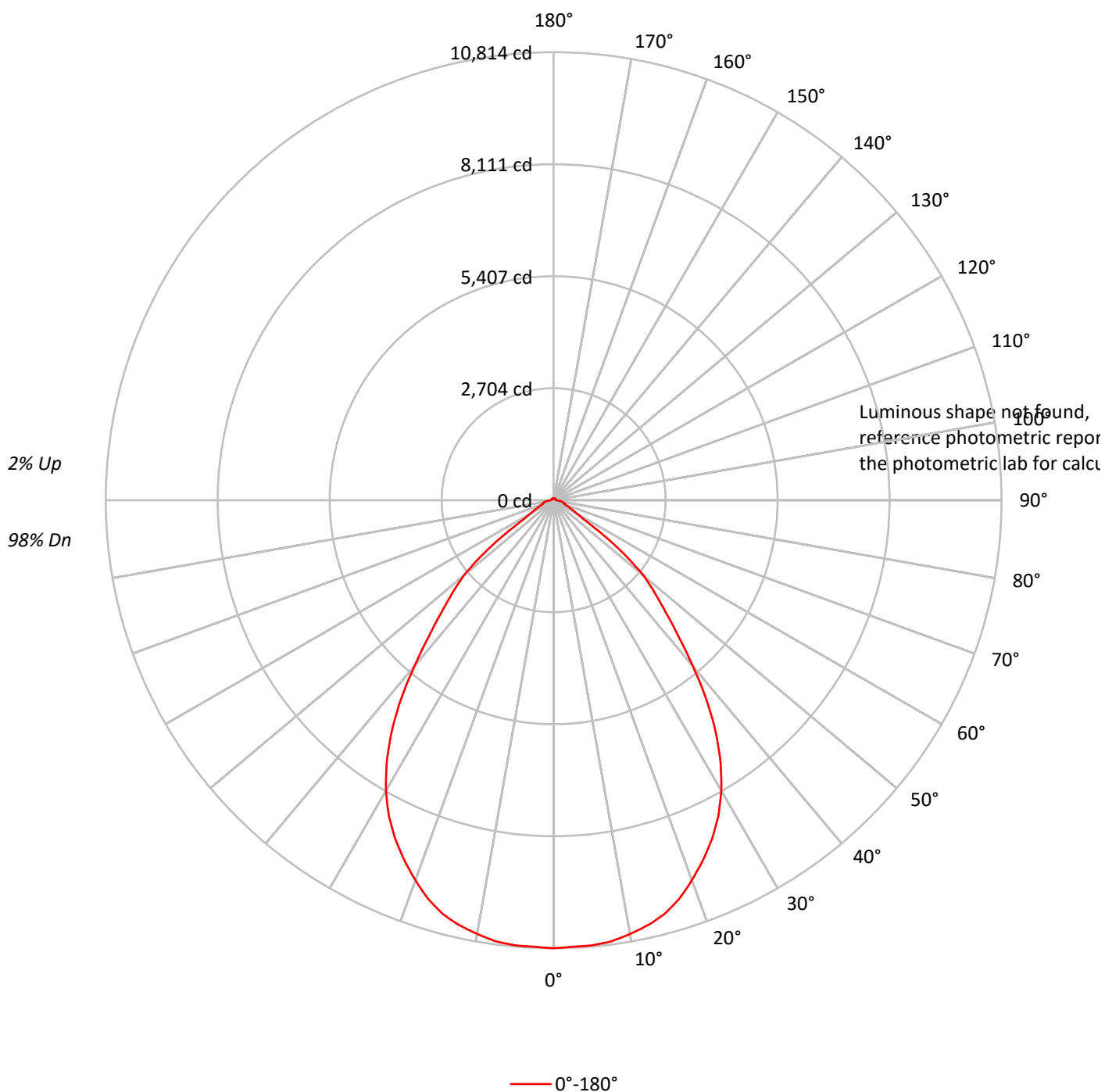
Lumens per Lamp: N/A
Luminaire Lumens: 17824.7 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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	110	110	110	105	105	105	100	100	100	98		
1	111	108	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	63	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	57	52	49	47		
8	69	58	51	46	68	57	50	46	56	50	45	55	49	45	53	48	45	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	50	45	41	39		
10	62	50	43	39	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1024.7	5.7
10°-20°	2902.5	16.3
20°-30°	4141.3	23.2
30°-40°	4210.9	23.6
40°-50°	3001.7	16.8
50°-60°	1378.1	7.7
60°-70°	431.2	2.4
70°-80°	271.6	1.5
80°-90°	144.3	0.8
90°-100°	56.3	0.3
100°-110°	56.9	0.3
110°-120°	53.4	0.3
120°-130°	46.9	0.3
130°-140°	39.3	0.2
140°-150°	30.9	0.2
150°-160°	20.9	0.1
160°-170°	10.8	0.1
170°-180°	3.1	0.0
0°-30°	8068.4	45.3
0°-40°	12279.3	68.9
0°-60°	16659.1	93.5
0°-90°	17506.2	98.2
90°-120°	166.6	0.9
90°-150°	283.6	1.6
90°-180°	318.0	1.8
0°-180°	17824.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10814	
5°	10785	###
15°	10340	2902
25°	9036	4141
35°	6817	4211
45°	3817	3002
55°	1461	1378
65°	414	431
75°	260	272
85°	134	125
90°	52	34
95°	52	42
105°	54	57
115°	54	53
125°	53	47
135°	50	39
145°	49	31
155°	46	21
165°	38	11
175°	31	3
180°	31	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10813.9
2.5°	10786.4
5°	10785.2
7.5°	10737.3
10°	10630.7
12.5°	10509.7
15°	10339.7
17.5°	10087.1
20°	9760.2
22.5°	9410.5
25°	9035.7
27.5°	8604.7
30°	8098.1
32.5°	7499.4
35°	6816.9
37.5°	6058.9
40°	5224.3
42.5°	4466.4
45°	3817.4
47.5°	3316.9
50°	2839.1
52.5°	2182.9
55°	1460.9
57.5°	846.6
60°	651.4
62.5°	516.1
65°	414.3
67.5°	340.1
70°	300.6
72.5°	275.4
75°	259.8
77.5°	238.3
80°	208.4
82.5°	173.6
85°	134.1
87.5°	92.2
90°	51.5
92.5°	50.3
95°	51.5
97.5°	52.7
100°	52.7
102.5°	53.9
105°	53.9
107.5°	53.9
110°	53.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	53.9
115°	53.9
117.5°	53.9
120°	52.7
122.5°	52.7
125°	52.7
127.5°	51.5
130°	51.5
132.5°	51.5
135°	50.3
137.5°	50.3
140°	50.3
142.5°	49.1
145°	49.1
147.5°	49.1
150°	47.9
152.5°	46.7
155°	45.5
157.5°	43.1
160°	41.9
162.5°	39.5
165°	38.3
167.5°	35.9
170°	33.5
172.5°	32.3
175°	31.1
177.5°	31.1
180°	31.1

(END OF REPORT)