

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: P1504264

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504264
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-20)
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-04-CLER-PS (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

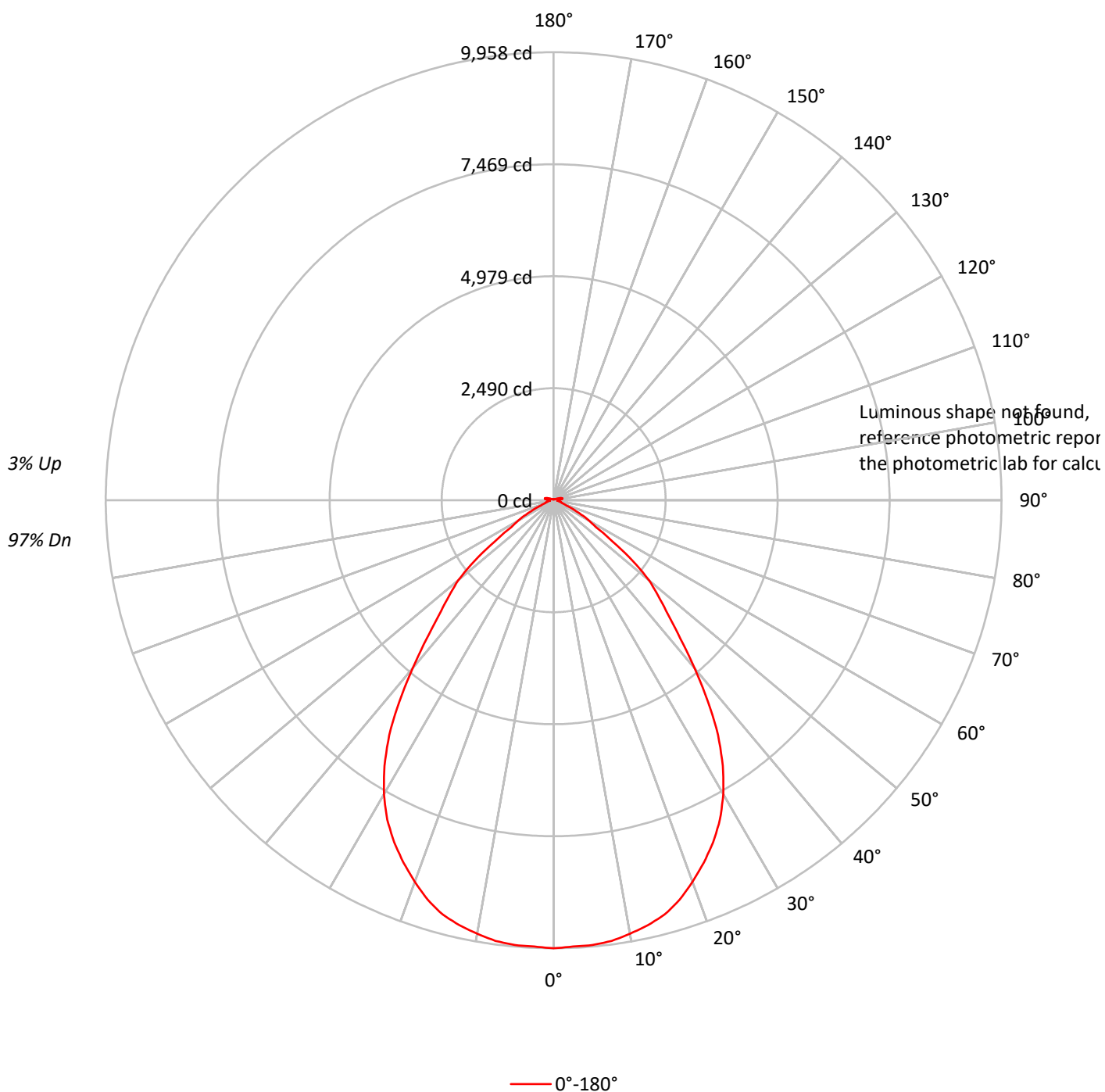
Lumens per Lamp: N/A
Luminaire Lumens: 17050.6 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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





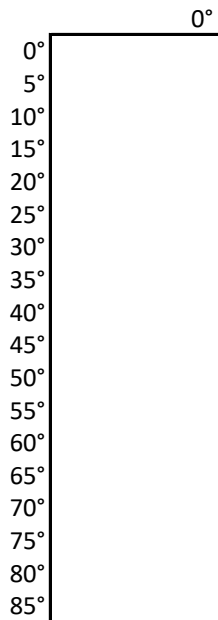
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	45	55	49	44	54	48	44	52	47	43	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	38		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	943.0	5.5
10°-20°	2677.2	15.7
20°-30°	3845.3	22.6
30°-40°	3926.4	23.0
40°-50°	2832.2	16.6
50°-60°	1505.4	8.8
60°-70°	507.7	3.0
70°-80°	173.0	1.0
80°-90°	99.7	0.6
90°-100°	166.0	1.0
100°-110°	187.9	1.1
110°-120°	90.0	0.5
120°-130°	34.5	0.2
130°-140°	22.2	0.1
140°-150°	18.6	0.1
150°-160°	13.4	0.1
160°-170°	6.4	0.0
170°-180°	1.7	0.0
0°-30°	7465.6	43.8
0°-40°	11391.9	66.8
0°-60°	15729.5	92.3
0°-90°	16509.9	96.8
90°-120°	443.9	2.6
90°-150°	519.1	3.0
90°-180°	541.0	3.2
0°-180°	17050.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9958	
5°	9925	943
15°	9535	2677
25°	8390	3845
35°	6372	3926
45°	3594	2832
55°	1607	1505
65°	480	508
75°	162	173
85°	83	75
90°	98	55
95°	154	136
105°	184	188
115°	88	90
125°	36	34
135°	28	22
145°	29	19
155°	29	13
165°	22	6
175°	17	2
180°	17	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9958.5
2.5°	9930.4
5°	9924.8
7.5°	9881.0
10°	9783.2
12.5°	9677.6
15°	9534.9
17.5°	9312.5
20°	9026.0
22.5°	8719.3
25°	8390.1
27.5°	8007.0
30°	7544.1
32.5°	6999.3
35°	6372.4
37.5°	5632.0
40°	4870.3
42.5°	4172.6
45°	3594.0
47.5°	3155.8
50°	2768.2
52.5°	2218.9
55°	1606.6
57.5°	1119.0
60°	919.0
62.5°	695.4
65°	479.7
67.5°	315.7
70°	228.1
72.5°	185.4
75°	161.8
77.5°	138.2
80°	112.3
82.5°	92.1
85°	83.1
87.5°	85.4
90°	97.7
92.5°	122.5
95°	153.9
97.5°	184.3
100°	198.9
102.5°	197.7
105°	184.3
107.5°	160.7
110°	134.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	110.1
115°	87.6
117.5°	68.5
120°	53.9
122.5°	43.8
125°	36.0
127.5°	31.5
130°	29.2
132.5°	28.1
135°	28.1
137.5°	29.2
140°	29.2
142.5°	29.2
145°	29.2
147.5°	30.3
150°	30.3
152.5°	30.3
155°	29.2
157.5°	28.1
160°	25.8
162.5°	23.6
165°	22.5
167.5°	20.2
170°	19.1
172.5°	18.0
175°	16.9
177.5°	16.9
180°	16.9

(END OF REPORT)