

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: P1504273

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504273
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

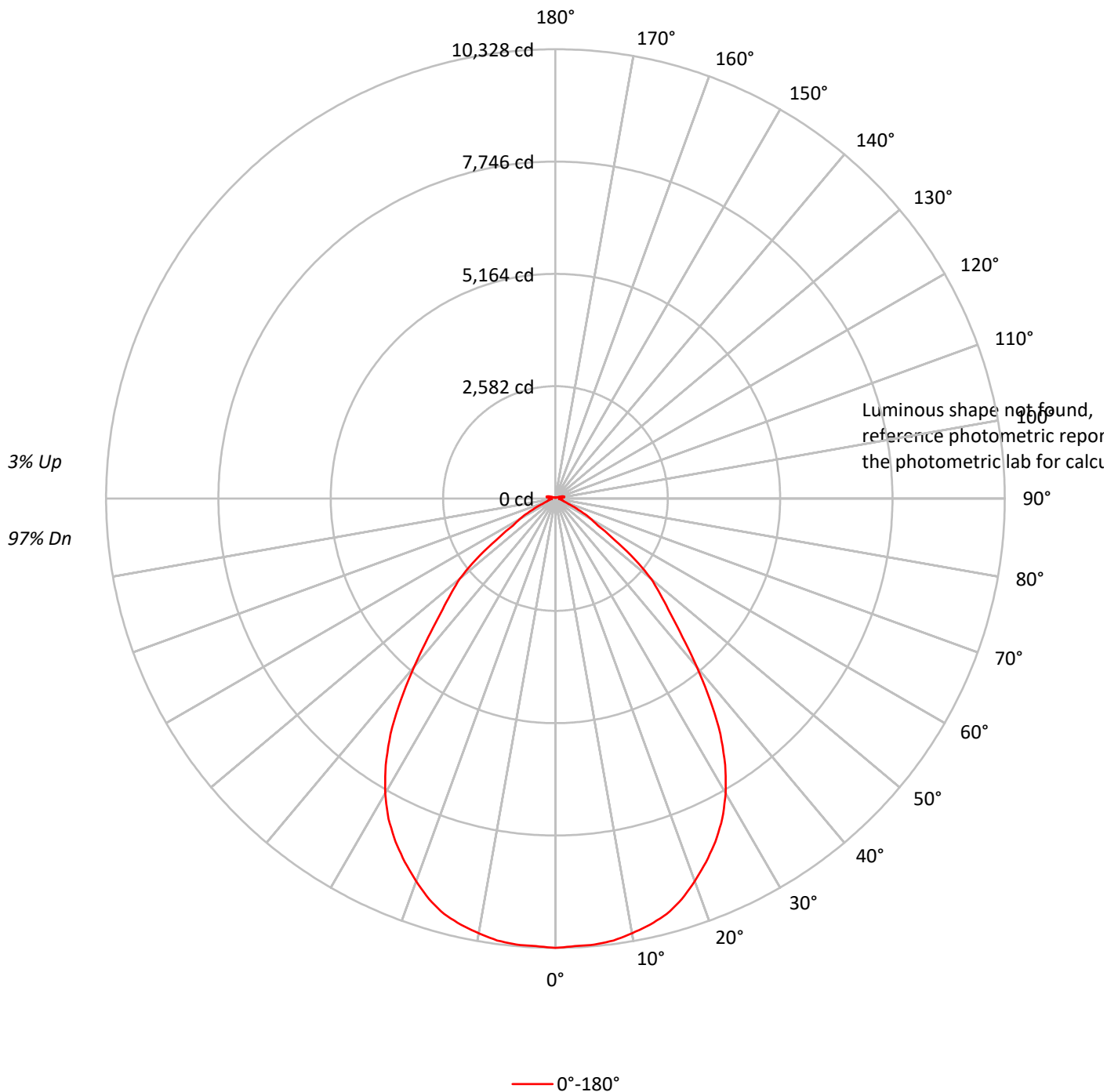
Lumens per Lamp: N/A
Luminaire Lumens: 17684.0 lumens
Efficiency: N/A
Efficacy: 146.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.7
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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99			
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	89	89	89	89	87			
2	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	80	80	80	80	78			
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	71	71	71	71	69			
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	58	58	58	58	56			
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	52	52	52	52	50			
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	56	51	47	47	47	47	47	46			
8	69	57	50	45	67	56	49	45	55	49	44	54	48	44	52	47	43	43	43	43	43	42			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	40	40	40	40	38			
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	40	37	37	37	37	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°	978.1	5.5
10°-20°	2776.7	15.7
20°-30°	3988.2	22.6
30°-40°	4072.2	23.0
40°-50°	2937.4	16.6
50°-60°	1561.3	8.8
60°-70°	526.6	3.0
70°-80°	179.4	1.0
80°-90°	103.4	0.6
90°-100°	172.1	1.0
100°-110°	194.9	1.1
110°-120°	93.4	0.5
120°-130°	35.7	0.2
130°-140°	23.0	0.1
140°-150°	19.3	0.1
150°-160°	14.0	0.1
160°-170°	6.6	0.0
170°-180°	1.8	0.0
0°-30°	7742.9	43.8
0°-40°	11815.2	66.8
0°-60°	16313.9	92.3
0°-90°	17123.3	96.8
90°-120°	460.3	2.6
90°-150°	538.4	3.0
90°-180°	561.0	3.2
0°-180°	17684.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10328	
5°	10294	978
15°	9889	2777
25°	8702	3988
35°	6609	4072
45°	3728	2937
55°	1666	1561
65°	498	527
75°	168	179
85°	86	77
90°	101	57
95°	160	141
105°	191	195
115°	91	93
125°	37	36
135°	29	23
145°	30	19
155°	30	14
165°	23	7
175°	18	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10328.5
2.5°	10299.4
5°	10293.5
7.5°	10248.1
10°	10146.7
12.5°	10037.2
15°	9889.2
17.5°	9658.5
20°	9361.4
22.5°	9043.3
25°	8701.8
27.5°	8304.5
30°	7824.4
32.5°	7259.3
35°	6609.1
37.5°	5841.2
40°	5051.2
42.5°	4327.6
45°	3727.5
47.5°	3273.1
50°	2871.1
52.5°	2301.3
55°	1666.3
57.5°	1160.6
60°	953.1
62.5°	721.3
65°	497.5
67.5°	327.4
70°	236.5
72.5°	192.3
75°	167.8
77.5°	143.3
80°	116.5
82.5°	95.5
85°	86.2
87.5°	88.6
90°	101.4
92.5°	127.0
95°	159.6
97.5°	191.1
100°	206.2
102.5°	205.1
105°	191.1
107.5°	166.6
110°	139.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	114.2
115°	90.9
117.5°	71.1
120°	55.9
122.5°	45.4
125°	37.3
127.5°	32.6
130°	30.3
132.5°	29.1
135°	29.1
137.5°	30.3
140°	30.3
142.5°	30.3
145°	30.3
147.5°	31.5
150°	31.5
152.5°	31.5
155°	30.3
157.5°	29.1
160°	26.8
162.5°	24.5
165°	23.3
167.5°	21.0
170°	19.8
172.5°	18.6
175°	17.5
177.5°	17.5
180°	17.5

(END OF REPORT)