

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: P1504618

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504618
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-32)
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-CLER-PS (3000K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

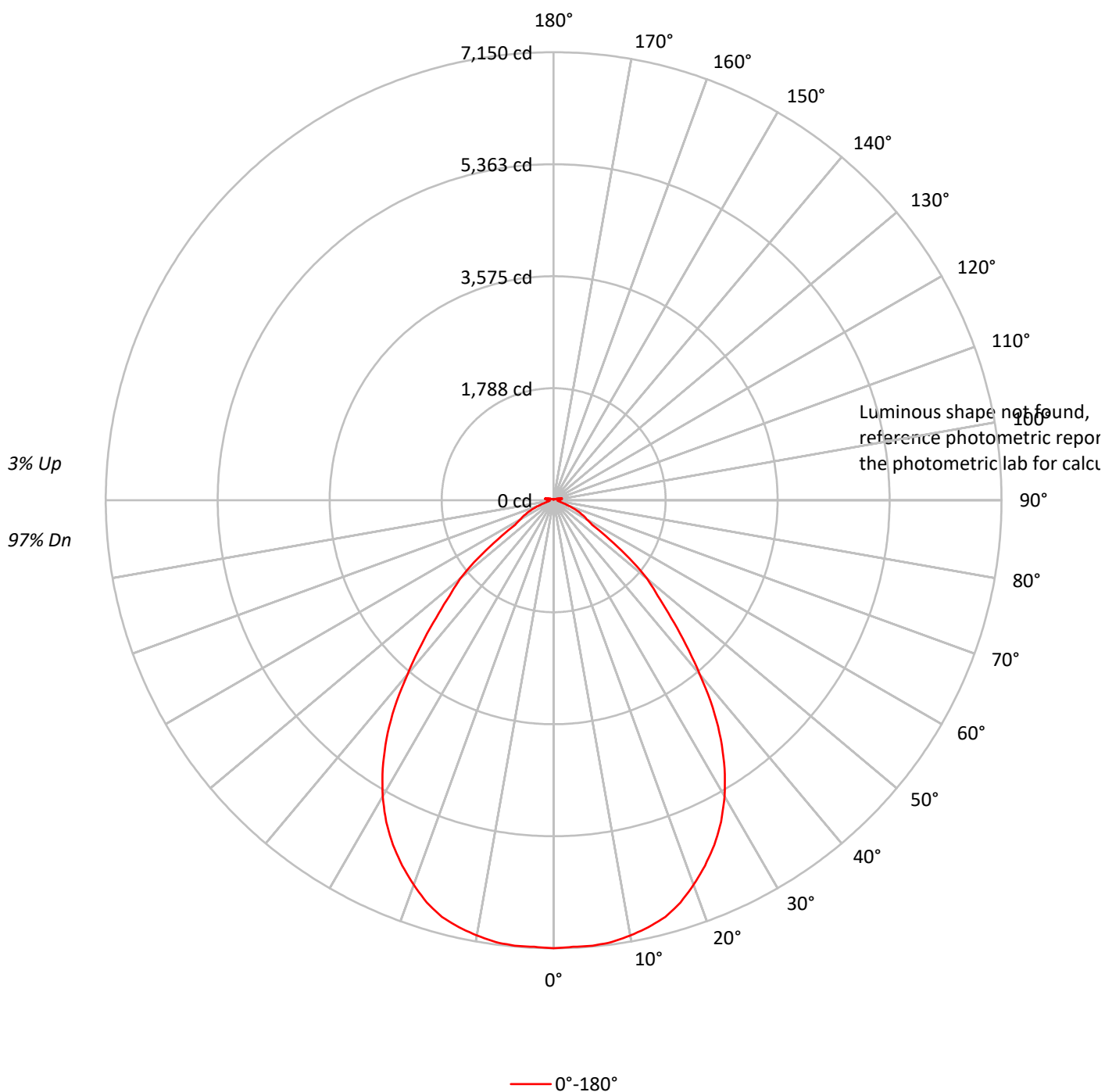
Lumens per Lamp: N/A
Luminaire Lumens: 12399.1 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 82.8
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



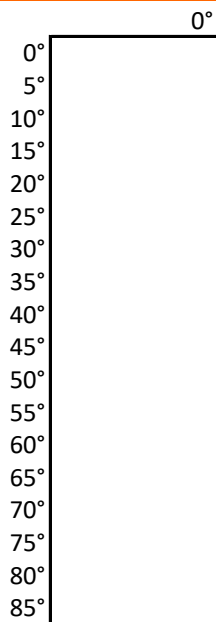
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	86	80	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	87	79	72	67	76	70	66	73	69	65	71	67	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	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	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	60	49	42	37	47	41	37	46	41	37	45	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°	678.6	5.5
10°-20°	1933.7	15.6
20°-30°	2781.6	22.4
30°-40°	2875.9	23.2
40°-50°	2075.3	16.7
50°-60°	1023.3	8.3
60°-70°	435.8	3.5
70°-80°	146.0	1.2
80°-90°	73.7	0.6
90°-100°	122.5	1.0
100°-110°	125.7	1.0
110°-120°	60.5	0.5
120°-130°	23.4	0.2
130°-140°	15.4	0.1
140°-150°	12.5	0.1
150°-160°	8.9	0.1
160°-170°	4.8	0.0
170°-180°	1.3	0.0
0°-30°	5394.0	43.5
0°-40°	8269.8	66.7
0°-60°	11368.4	91.7
0°-90°	12024.0	97.0
90°-120°	308.8	2.5
90°-150°	360.1	2.9
90°-180°	375.0	3.0
0°-180°	12399.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7150	
5°	7137	679
15°	6885	1934
25°	6068	2782
35°	4653	2876
45°	2653	2075
55°	1085	1023
65°	450	436
75°	122	146
85°	62	54
90°	75	43
95°	116	99
105°	122	126
115°	59	61
125°	24	23
135°	20	15
145°	20	12
155°	20	9
165°	17	5
175°	14	1
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7149.8
2.5°	7134.4
5°	7136.8
7.5°	7112.5
10°	7052.5
12.5°	6981.9
15°	6885.4
17.5°	6732.2
20°	6531.1
22.5°	6312.2
25°	6068.1
27.5°	5788.4
30°	5456.8
32.5°	5079.8
35°	4653.3
37.5°	4176.5
40°	3630.8
42.5°	3122.4
45°	2653.0
47.5°	2249.2
50°	1944.3
52.5°	1527.6
55°	1084.9
57.5°	726.5
60°	613.0
62.5°	531.9
65°	450.0
67.5°	351.1
70°	251.4
72.5°	170.3
75°	122.4
77.5°	97.3
80°	77.8
82.5°	66.5
85°	61.6
87.5°	65.7
90°	75.4
92.5°	94.1
95°	115.9
97.5°	133.0
100°	137.8
102.5°	133.0
105°	121.6
107.5°	106.2
110°	90.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	73.8
115°	59.2
117.5°	46.2
120°	36.5
122.5°	29.2
125°	24.3
127.5°	21.9
130°	20.3
132.5°	19.5
135°	19.5
137.5°	20.3
140°	20.3
142.5°	20.3
145°	19.5
147.5°	19.5
150°	19.5
152.5°	19.5
155°	19.5
157.5°	18.6
160°	18.6
162.5°	17.8
165°	17.0
167.5°	15.4
170°	14.6
172.5°	13.8
175°	13.8
177.5°	14.6
180°	14.6

(END OF REPORT)