

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: P1504297

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (6500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504297
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 (6500K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

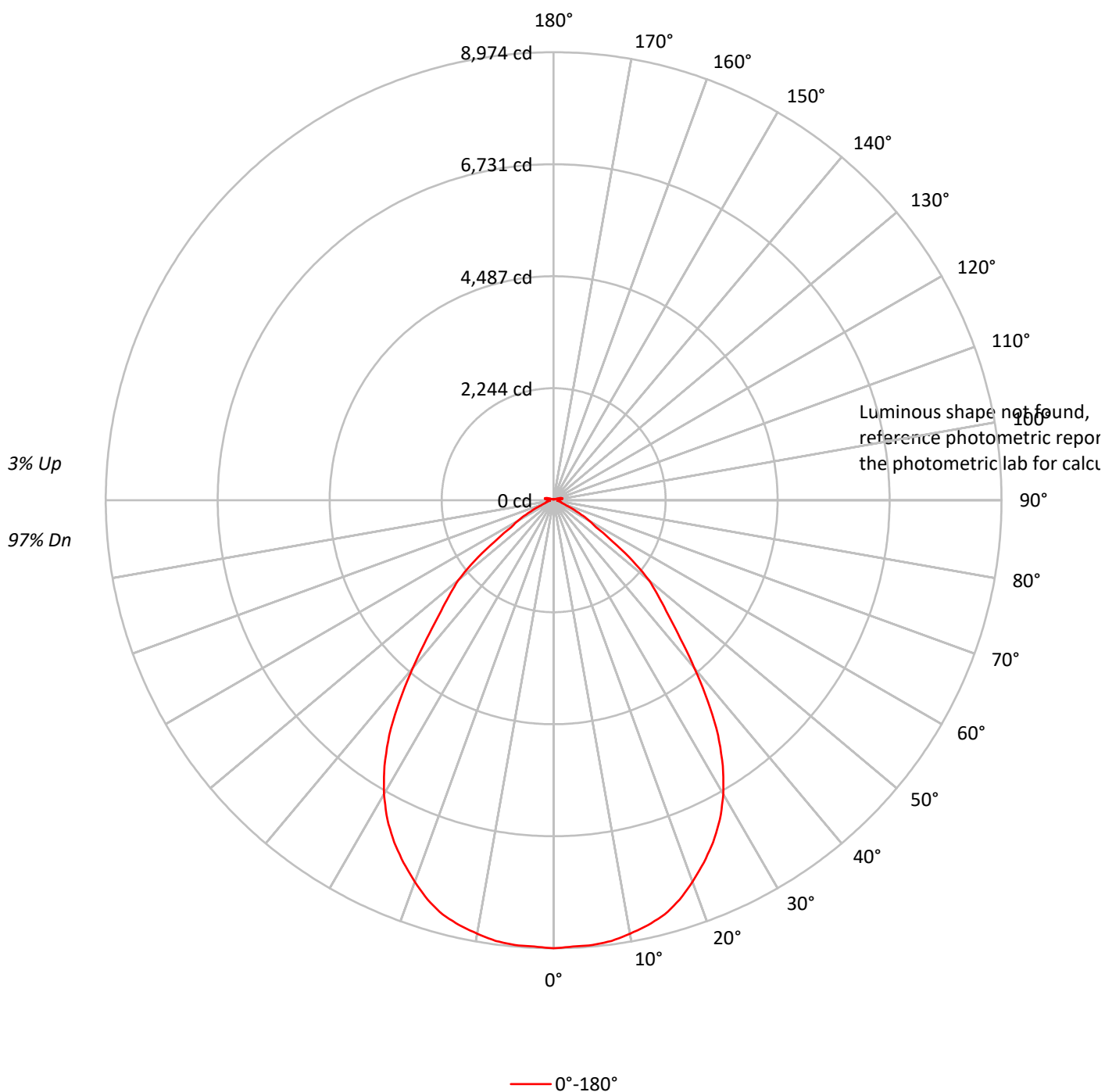
Lumens per Lamp: N/A
Luminaire Lumens: 15364.6 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.5
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



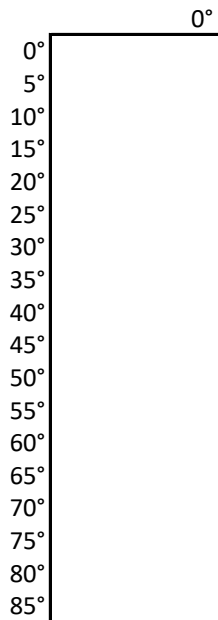
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	849.8	5.5
10°-20°	2412.5	15.7
20°-30°	3465.1	22.6
30°-40°	3538.1	23.0
40°-50°	2552.1	16.6
50°-60°	1356.5	8.8
60°-70°	457.5	3.0
70°-80°	155.8	1.0
80°-90°	89.8	0.6
90°-100°	149.6	1.0
100°-110°	169.3	1.1
110°-120°	81.1	0.5
120°-130°	31.1	0.2
130°-140°	20.0	0.1
140°-150°	16.7	0.1
150°-160°	12.1	0.1
160°-170°	5.8	0.0
170°-180°	1.5	0.0
0°-30°	6727.4	43.8
0°-40°	10265.5	66.8
0°-60°	14174.2	92.3
0°-90°	14877.4	96.8
90°-120°	400.0	2.6
90°-150°	467.8	3.0
90°-180°	487.0	3.2
0°-180°	15364.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8974	
5°	8943	850
15°	8592	2412
25°	7560	3465
35°	5742	3538
45°	3239	2552
55°	1448	1357
65°	432	458
75°	146	156
85°	75	67
90°	88	50
95°	139	122
105°	166	169
115°	79	81
125°	32	31
135°	25	20
145°	26	17
155°	26	12
165°	20	6
175°	15	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8973.8
2.5°	8948.5
5°	8943.4
7.5°	8904.0
10°	8815.9
12.5°	8720.7
15°	8592.1
17.5°	8391.7
20°	8133.5
22.5°	7857.2
25°	7560.5
27.5°	7215.3
30°	6798.2
32.5°	6307.2
35°	5742.3
37.5°	5075.1
40°	4388.7
42.5°	3760.0
45°	3238.6
47.5°	2843.8
50°	2494.5
52.5°	1999.5
55°	1447.7
57.5°	1008.3
60°	828.1
62.5°	626.7
65°	432.3
67.5°	284.5
70°	205.5
72.5°	167.0
75°	145.8
77.5°	124.5
80°	101.2
82.5°	83.0
85°	74.9
87.5°	76.9
90°	88.1
92.5°	110.4
95°	138.7
97.5°	166.0
100°	179.2
102.5°	178.2
105°	166.0
107.5°	144.8
110°	121.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	99.2
115°	79.0
117.5°	61.8
120°	48.6
122.5°	39.5
125°	32.4
127.5°	28.3
130°	26.3
132.5°	25.3
135°	25.3
137.5°	26.3
140°	26.3
142.5°	26.3
145°	26.3
147.5°	27.3
150°	27.3
152.5°	27.3
155°	26.3
157.5°	25.3
160°	23.3
162.5°	21.3
165°	20.2
167.5°	18.2
170°	17.2
172.5°	16.2
175°	15.2
177.5°	15.2
180°	15.2

(END OF REPORT)