

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: P1504288

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504288
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

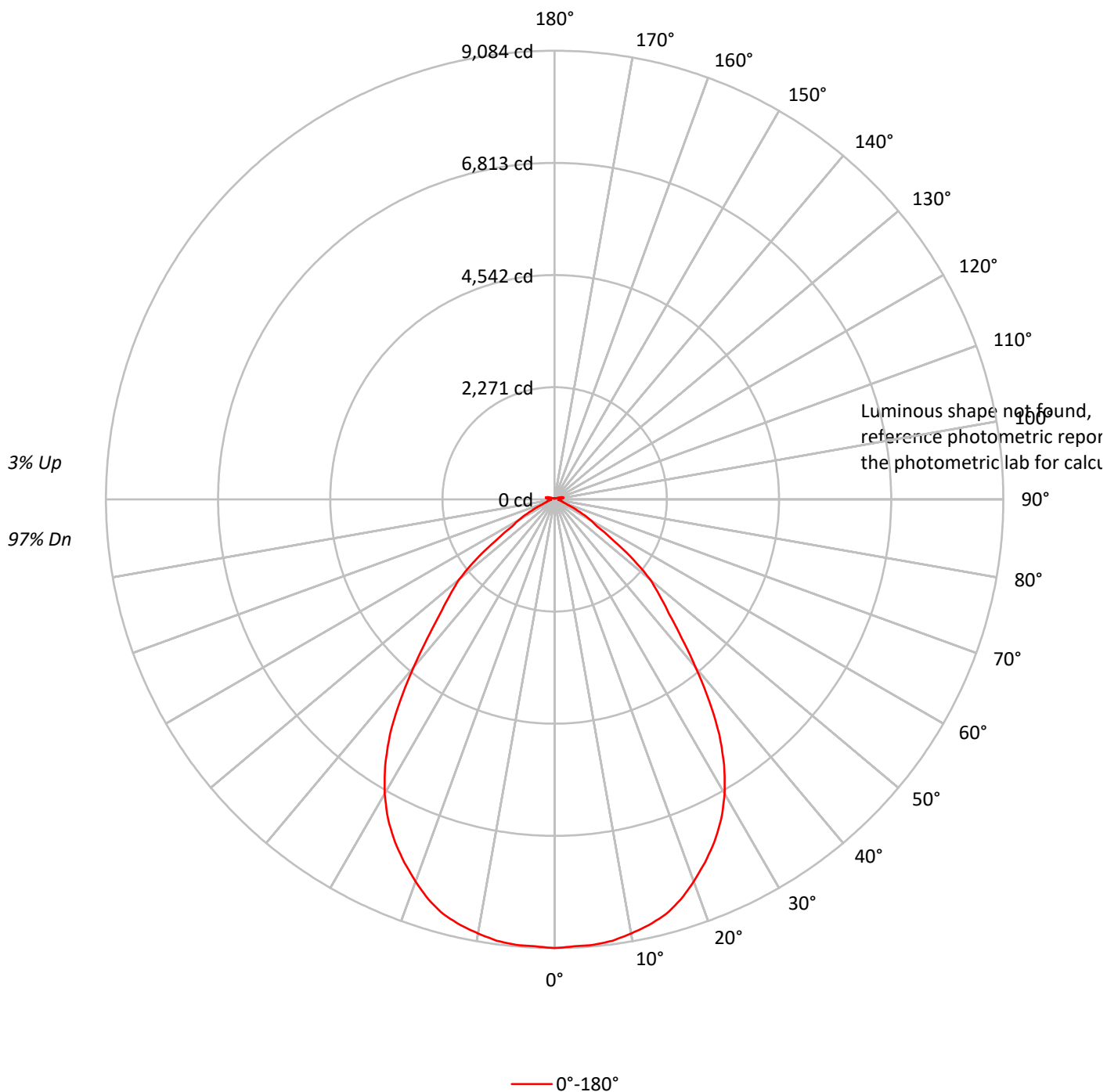
Lumens per Lamp: N/A
Luminaire Lumens: 15552.4 lumens
Efficiency: N/A
Efficacy: 155.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 100.1
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	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°	860.2	5.5
10°-20°	2441.9	15.7
20°-30°	3507.5	22.6
30°-40°	3581.4	23.0
40°-50°	2583.4	16.6
50°-60°	1373.1	8.8
60°-70°	463.1	3.0
70°-80°	157.8	1.0
80°-90°	91.0	0.6
90°-100°	151.4	1.0
100°-110°	171.4	1.1
110°-120°	82.1	0.5
120°-130°	31.5	0.2
130°-140°	20.2	0.1
140°-150°	17.0	0.1
150°-160°	12.3	0.1
160°-170°	5.8	0.0
170°-180°	1.5	0.0
0°-30°	6809.6	43.8
0°-40°	10390.9	66.8
0°-60°	14347.4	92.3
0°-90°	15059.3	96.8
90°-120°	404.9	2.6
90°-150°	473.5	3.0
90°-180°	493.0	3.2
0°-180°	15552.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9084	
5°	9053	860
15°	8697	2442
25°	7653	3507
35°	5812	3581
45°	3278	2583
55°	1465	1373
65°	438	463
75°	148	158
85°	76	68
90°	89	50
95°	140	124
105°	168	171
115°	80	82
125°	33	31
135°	26	20
145°	27	17
155°	27	12
165°	20	6
175°	15	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9083.5
2.5°	9057.9
5°	9052.7
7.5°	9012.8
10°	8923.6
12.5°	8827.3
15°	8697.1
17.5°	8494.2
20°	8232.9
22.5°	7953.2
25°	7652.9
27.5°	7303.5
30°	6881.3
32.5°	6384.3
35°	5812.4
37.5°	5137.1
40°	4442.3
42.5°	3806.0
45°	3278.2
47.5°	2878.6
50°	2525.0
52.5°	2023.9
55°	1465.4
57.5°	1020.7
60°	838.3
62.5°	634.3
65°	437.6
67.5°	288.0
70°	208.0
72.5°	169.1
75°	147.6
77.5°	126.0
80°	102.5
82.5°	84.0
85°	75.8
87.5°	77.9
90°	89.2
92.5°	111.7
95°	140.4
97.5°	168.1
100°	181.4
102.5°	180.4
105°	168.1
107.5°	146.5
110°	123.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	100.4
115°	79.9
117.5°	62.5
120°	49.2
122.5°	40.0
125°	32.8
127.5°	28.7
130°	26.6
132.5°	25.6
135°	25.6
137.5°	26.6
140°	26.6
142.5°	26.6
145°	26.6
147.5°	27.7
150°	27.7
152.5°	27.7
155°	26.6
157.5°	25.6
160°	23.6
162.5°	21.5
165°	20.5
167.5°	18.4
170°	17.4
172.5°	16.4
175°	15.4
177.5°	15.4
180°	15.4

(END OF REPORT)