

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: P1504262

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504262
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-19)
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_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

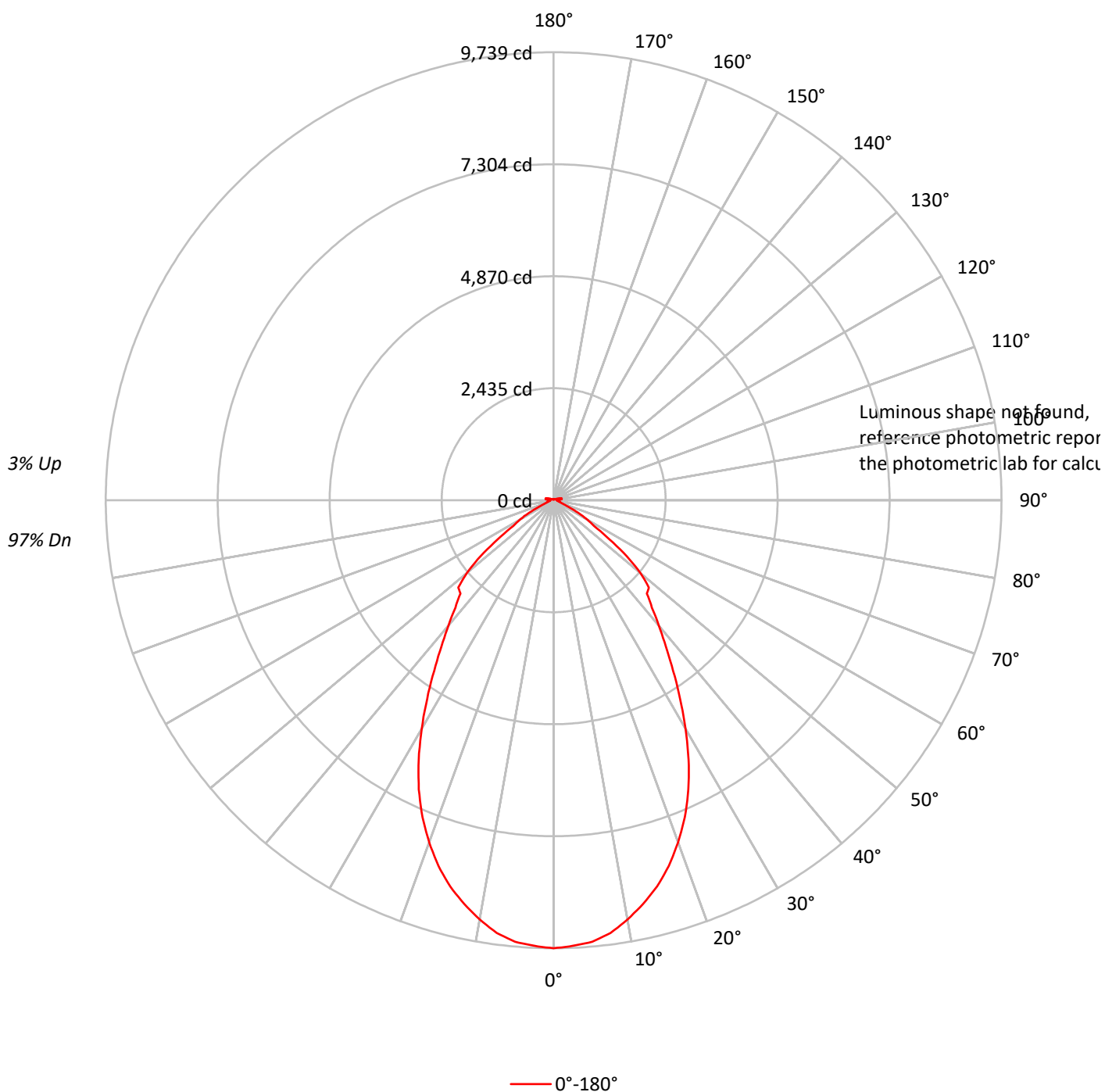
Lumens per Lamp: N/A
Luminaire Lumens: 14168.4 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.3
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	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	42		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	907.6	6.4
10°-20°	2432.9	17.2
20°-30°	3160.7	22.3
30°-40°	2847.2	20.1
40°-50°	2284.7	16.1
50°-60°	1373.3	9.7
60°-70°	449.6	3.2
70°-80°	143.8	1.0
80°-90°	90.3	0.6
90°-100°	155.3	1.1
100°-110°	168.2	1.2
110°-120°	77.1	0.5
120°-130°	28.5	0.2
130°-140°	17.4	0.1
140°-150°	14.6	0.1
150°-160°	10.6	0.1
160°-170°	5.3	0.0
170°-180°	1.5	0.0
0°-30°	6501.1	45.9
0°-40°	9348.3	66.0
0°-60°	13006.4	91.8
0°-90°	13690.1	96.6
90°-120°	400.6	2.8
90°-150°	461.1	3.3
90°-180°	478.0	3.4
0°-180°	14168.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9739	
5°	9636	908
15°	8692	2433
25°	6936	3161
35°	4530	2847
45°	2866	2285
55°	1480	1373
65°	410	450
75°	134	144
85°	75	66
90°	94	53
95°	145	126
105°	164	168
115°	74	77
125°	30	28
135°	22	17
145°	23	15
155°	23	11
165°	18	5
175°	14	1
180°	14	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9738.9
2.5°	9696.4
5°	9635.5
7.5°	9487.7
10°	9253.8
12.5°	8990.0
15°	8692.4
17.5°	8334.8
20°	7913.5
22.5°	7454.5
25°	6935.5
27.5°	6354.8
30°	5736.3
32.5°	5119.8
35°	4530.3
37.5°	4003.6
40°	3558.1
42.5°	3161.9
45°	2866.2
47.5°	2810.2
50°	2469.0
52.5°	2005.2
55°	1480.5
57.5°	1039.8
60°	859.1
62.5°	633.9
65°	409.7
67.5°	262.8
70°	187.5
72.5°	152.7
75°	134.3
77.5°	116.0
80°	96.6
82.5°	80.2
85°	75.4
87.5°	80.2
90°	93.7
92.5°	117.9
95°	145.0
97.5°	169.1
100°	181.7
102.5°	178.8
105°	164.3
107.5°	142.1
110°	117.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	94.7
115°	74.4
117.5°	58.0
120°	45.4
122.5°	35.8
125°	30.0
127.5°	26.1
130°	23.2
132.5°	22.2
135°	22.2
137.5°	22.2
140°	23.2
142.5°	23.2
145°	23.2
147.5°	23.2
150°	24.2
152.5°	23.2
155°	23.2
157.5°	22.2
160°	20.3
162.5°	19.3
165°	18.4
167.5°	17.4
170°	16.4
172.5°	15.5
175°	14.5
177.5°	14.5
180°	14.5

(END OF REPORT)