

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: P1504302

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504302
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-21)
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_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

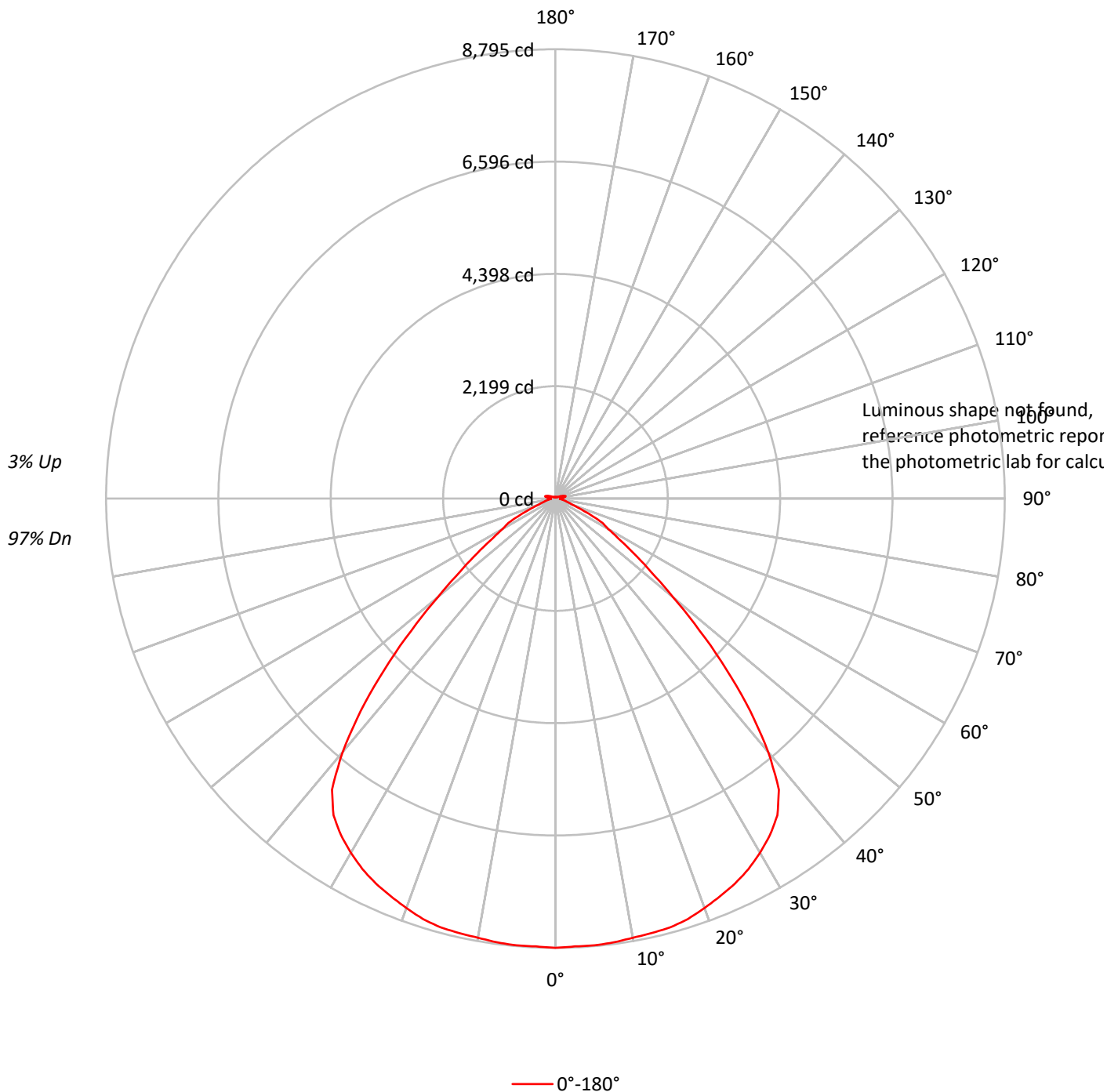
Lumens per Lamp: N/A
Luminaire Lumens: 18851.9 lumens
Efficiency: N/A
Efficacy: 152.9 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 123.3
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	104	101	99	100	97	95	95	93	92	91	90	89	86		
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	76		
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	67		
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	60		
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	53		
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	48		
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	43		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	39		
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	35		
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	34	32		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	836.4	4.4
10°-20°	2453.7	13.0
20°-30°	3833.6	20.3
30°-40°	4664.9	24.7
40°-50°	3631.3	19.3
50°-60°	1729.3	9.2
60°-70°	759.1	4.0
70°-80°	244.4	1.3
80°-90°	113.2	0.6
90°-100°	157.0	0.8
100°-110°	197.4	1.0
110°-120°	105.6	0.6
120°-130°	43.3	0.2
130°-140°	29.2	0.2
140°-150°	25.0	0.1
150°-160°	17.8	0.1
160°-170°	8.7	0.0
170°-180°	2.1	0.0
0°-30°	7123.7	37.8
0°-40°	11788.5	62.5
0°-60°	17149.1	91.0
0°-90°	18265.9	96.9
90°-120°	460.0	2.4
90°-150°	557.4	3.0
90°-180°	586.0	3.1
0°-180°	18851.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8795	
5°	8780	836
15°	8690	2454
25°	8316	3834
35°	7570	4665
45°	4736	3631
55°	1862	1729
65°	767	759
75°	224	244
85°	95	89
90°	92	53
95°	143	129
105°	194	197
115°	104	106
125°	46	43
135°	38	29
145°	40	25
155°	39	18
165°	30	9
175°	20	2
180°	19	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8794.8
2.5°	8776.0
5°	8779.5
7.5°	8761.9
10°	8729.1
12.5°	8712.7
15°	8690.4
17.5°	8629.4
20°	8529.7
22.5°	8425.2
25°	8316.2
27.5°	8178.9
30°	8007.6
32.5°	7812.9
35°	7570.1
37.5°	7184.1
40°	6484.9
42.5°	5642.6
45°	4735.8
47.5°	3827.8
50°	3000.8
52.5°	2356.8
55°	1861.7
57.5°	1461.7
60°	1196.6
62.5°	1037.0
65°	767.2
67.5°	505.6
70°	349.6
72.5°	269.8
75°	224.1
77.5°	185.4
80°	145.5
82.5°	113.8
85°	95.0
87.5°	88.0
90°	91.5
92.5°	112.6
95°	143.1
97.5°	176.0
100°	197.1
102.5°	202.9
105°	193.6
107.5°	174.8
110°	151.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	126.7
115°	104.4
117.5°	83.3
120°	66.9
122.5°	54.0
125°	45.8
127.5°	39.9
130°	37.5
132.5°	36.4
135°	37.5
137.5°	38.7
140°	38.7
142.5°	39.9
145°	39.9
147.5°	39.9
150°	39.9
152.5°	39.9
155°	38.7
157.5°	37.5
160°	35.2
162.5°	32.8
165°	30.5
167.5°	28.2
170°	24.6
172.5°	22.3
175°	19.9
177.5°	18.8
180°	18.8

(END OF REPORT)