

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: P1504651

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504651
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 (5000K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

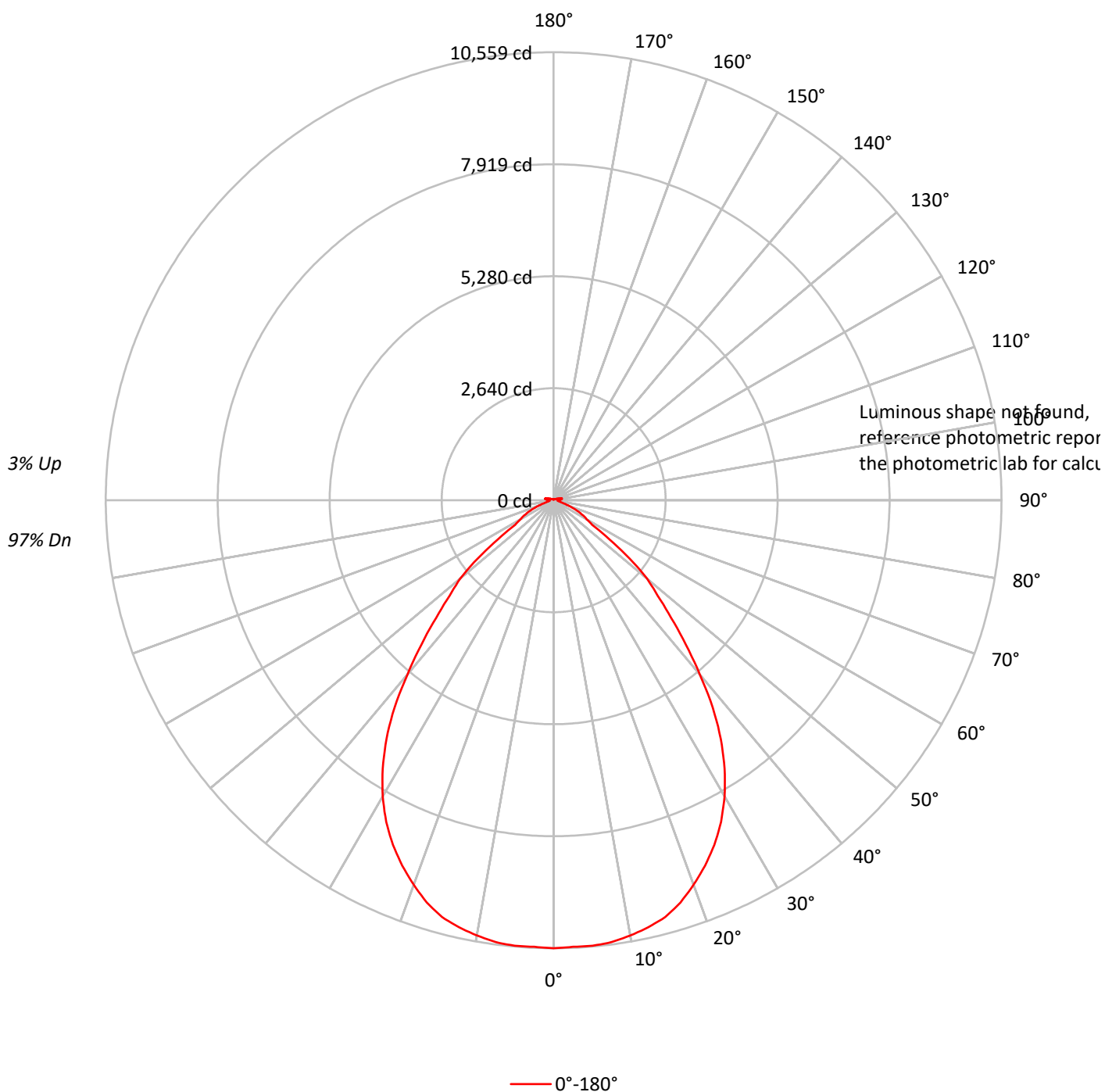
Lumens per Lamp: N/A
Luminaire Lumens: 18310.9 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.1
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	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°	1002.2	5.5
10°-20°	2855.8	15.6
20°-30°	4107.9	22.4
30°-40°	4247.1	23.2
40°-50°	3064.8	16.7
50°-60°	1511.2	8.3
60°-70°	643.5	3.5
70°-80°	215.7	1.2
80°-90°	108.9	0.6
90°-100°	181.0	1.0
100°-110°	185.7	1.0
110°-120°	89.4	0.5
120°-130°	34.6	0.2
130°-140°	22.7	0.1
140°-150°	18.3	0.1
150°-160°	13.1	0.1
160°-170°	7.1	0.0
170°-180°	2.0	0.0
0°-30°	7965.9	43.5
0°-40°	12213.0	66.7
0°-60°	16789.0	91.7
0°-90°	17757.1	97.0
90°-120°	456.1	2.5
90°-150°	531.7	2.9
90°-180°	554.0	3.0
0°-180°	18310.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10559	
5°	10540	###
15°	10168	2856
25°	8962	4108
35°	6872	4247
45°	3918	3065
55°	1602	1511
65°	665	644
75°	181	216
85°	91	80
90°	111	63
95°	171	147
105°	180	186
115°	87	89
125°	36	35
135°	29	23
145°	29	18
155°	29	13
165°	25	7
175°	20	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10558.8
2.5°	10536.1
5°	10539.7
7.5°	10503.8
10°	10415.1
12.5°	10311.0
15°	10168.5
17.5°	9942.2
20°	9645.2
22.5°	9321.9
25°	8961.5
27.5°	8548.4
30°	8058.6
32.5°	7501.8
35°	6872.0
37.5°	6167.9
40°	5362.0
42.5°	4611.3
45°	3918.0
47.5°	3321.6
50°	2871.4
52.5°	2255.9
55°	1602.1
57.5°	1072.9
60°	905.2
62.5°	785.5
65°	664.6
67.5°	518.5
70°	371.2
72.5°	251.5
75°	180.8
77.5°	143.7
80°	115.0
82.5°	98.2
85°	91.0
87.5°	97.0
90°	111.4
92.5°	138.9
95°	171.2
97.5°	196.4
100°	203.6
102.5°	196.4
105°	179.6
107.5°	156.9
110°	132.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	109.0
115°	87.4
117.5°	68.3
120°	53.9
122.5°	43.1
125°	35.9
127.5°	32.3
130°	29.9
132.5°	28.7
135°	28.7
137.5°	29.9
140°	29.9
142.5°	29.9
145°	28.7
147.5°	28.7
150°	28.7
152.5°	28.7
155°	28.7
157.5°	27.5
160°	27.5
162.5°	26.3
165°	25.1
167.5°	22.8
170°	21.6
172.5°	20.4
175°	20.4
177.5°	21.6
180°	21.6

(END OF REPORT)