

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: P1504282

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504282
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 (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

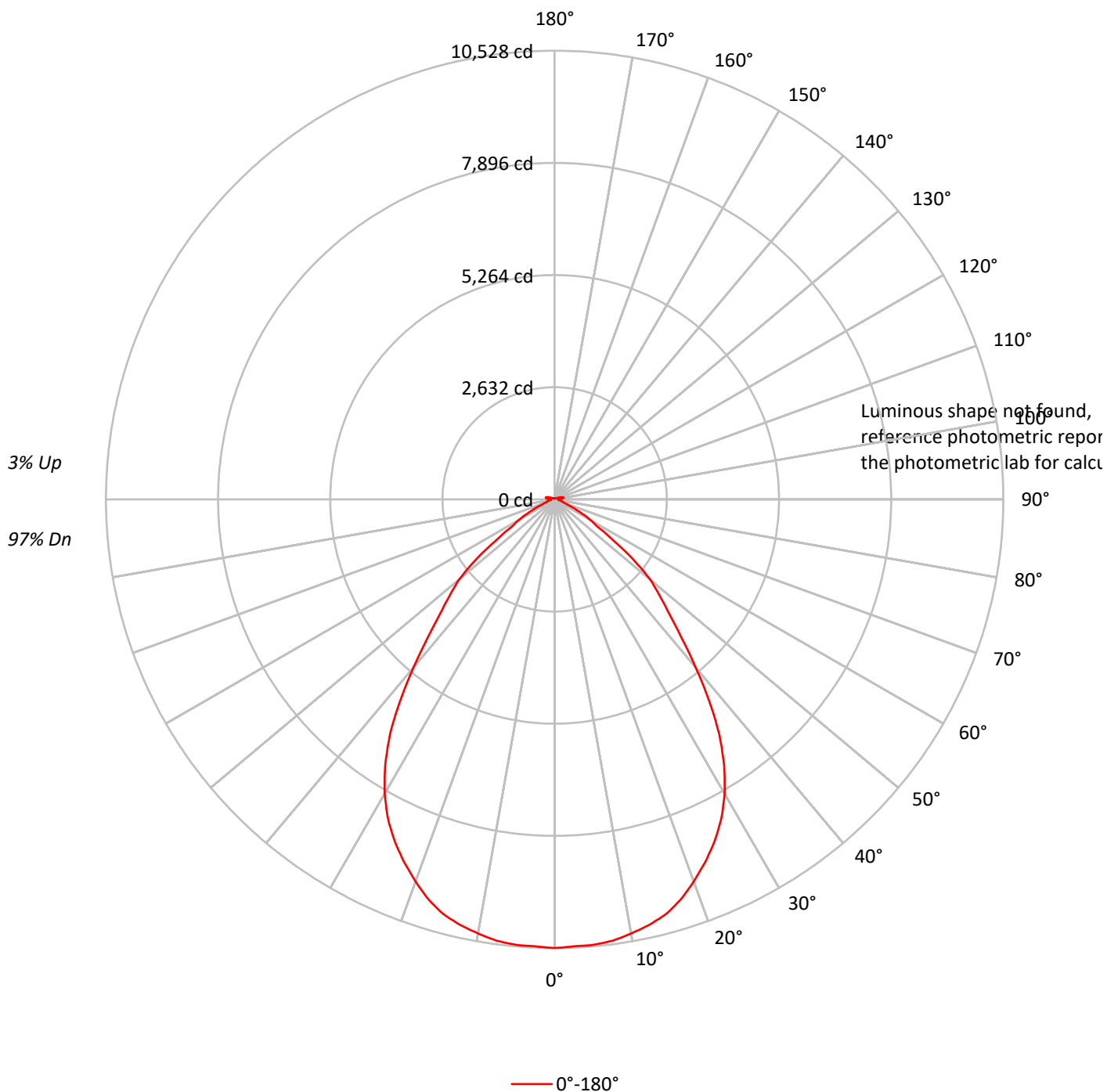
Lumens per Lamp: N/A
Luminaire Lumens: 18024.9 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 119.3
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



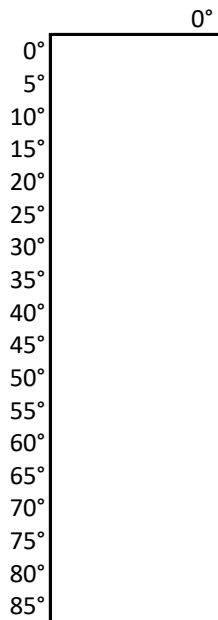
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	996.9	5.5
10°-20°	2830.2	15.7
20°-30°	4065.1	22.6
30°-40°	4150.7	23.0
40°-50°	2994.0	16.6
50°-60°	1591.4	8.8
60°-70°	536.7	3.0
70°-80°	182.9	1.0
80°-90°	105.4	0.6
90°-100°	175.4	1.0
100°-110°	198.6	1.1
110°-120°	95.1	0.5
120°-130°	36.5	0.2
130°-140°	23.5	0.1
140°-150°	19.7	0.1
150°-160°	14.2	0.1
160°-170°	6.8	0.0
170°-180°	1.8	0.0
0°-30°	7892.1	43.8
0°-40°	12042.8	66.8
0°-60°	16628.3	92.3
0°-90°	17453.3	96.8
90°-120°	469.2	2.6
90°-150°	548.8	3.0
90°-180°	572.0	3.2
0°-180°	18024.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10528	
5°	10492	997
15°	10080	2830
25°	8870	4065
35°	6736	4151
45°	3799	2994
55°	1698	1591
65°	507	537
75°	171	183
85°	88	79
90°	103	58
95°	163	144
105°	195	199
115°	93	95
125°	38	36
135°	30	23
145°	31	20
155°	31	14
165°	24	7
175°	18	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10527.5
2.5°	10497.8
5°	10491.9
7.5°	10445.6
10°	10342.2
12.5°	10230.6
15°	10079.8
17.5°	9844.6
20°	9541.8
22.5°	9217.5
25°	8869.5
27.5°	8464.5
30°	7975.2
32.5°	7399.2
35°	6736.5
37.5°	5953.8
40°	5148.6
42.5°	4411.0
45°	3799.4
47.5°	3336.2
50°	2926.4
52.5°	2345.7
55°	1698.4
57.5°	1182.9
60°	971.5
62.5°	735.2
65°	507.1
67.5°	333.7
70°	241.1
72.5°	196.0
75°	171.0
77.5°	146.1
80°	118.8
82.5°	97.4
85°	87.9
87.5°	90.3
90°	103.3
92.5°	129.5
95°	162.7
97.5°	194.8
100°	210.2
102.5°	209.0
105°	194.8
107.5°	169.8
110°	142.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	116.4
115°	92.6
117.5°	72.4
120°	57.0
122.5°	46.3
125°	38.0
127.5°	33.3
130°	30.9
132.5°	29.7
135°	29.7
137.5°	30.9
140°	30.9
142.5°	30.9
145°	30.9
147.5°	32.1
150°	32.1
152.5°	32.1
155°	30.9
157.5°	29.7
160°	27.3
162.5°	24.9
165°	23.8
167.5°	21.4
170°	20.2
172.5°	19.0
175°	17.8
177.5°	17.8
180°	17.8

(END OF REPORT)