

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: P1504291

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504291
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_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

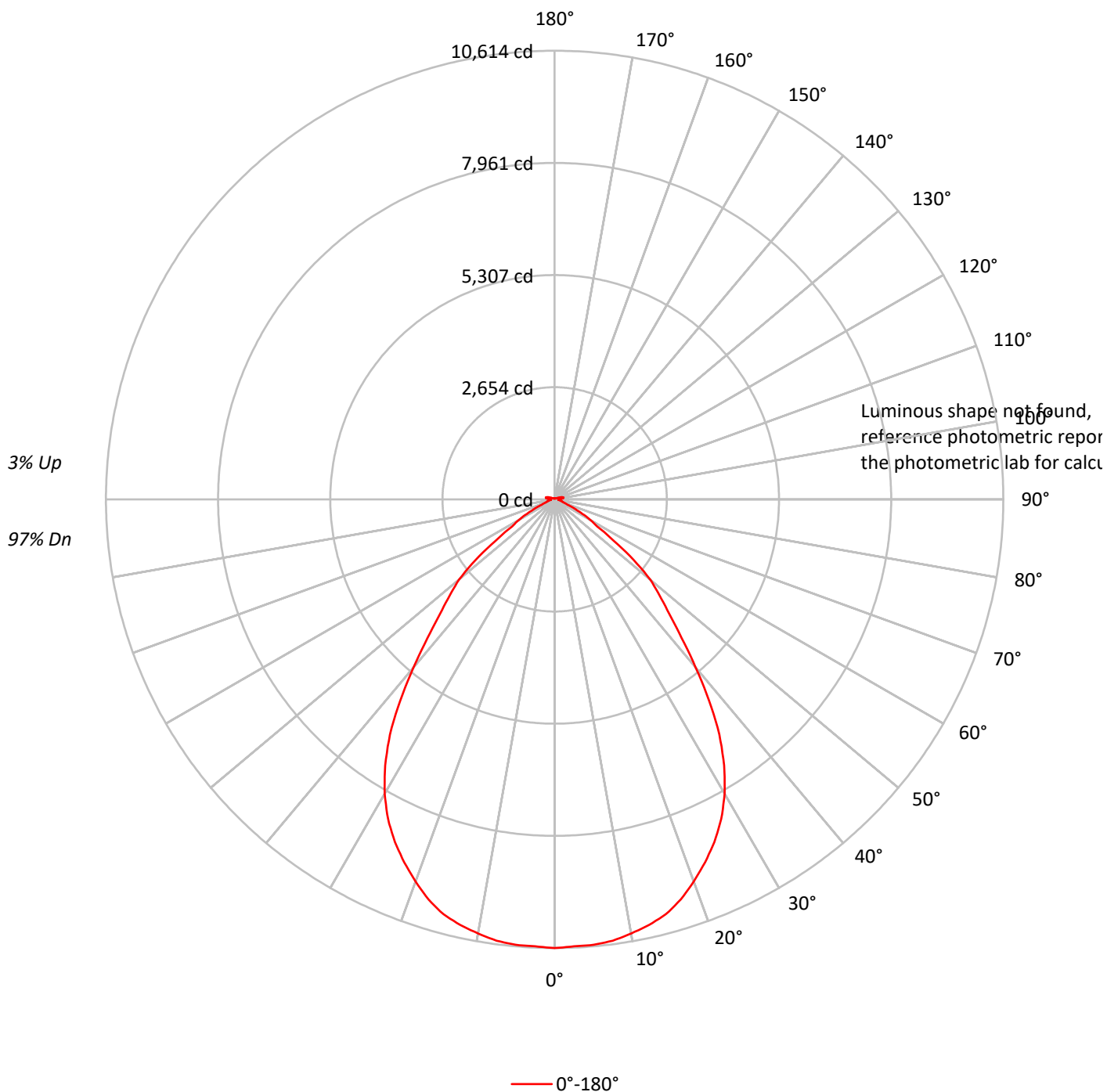
Lumens per Lamp: N/A
Luminaire Lumens: 18172.6 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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	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°	1005.1	5.5
10°-20°	2853.4	15.7
20°-30°	4098.4	22.6
30°-40°	4184.8	23.0
40°-50°	3018.6	16.6
50°-60°	1604.5	8.8
60°-70°	541.2	3.0
70°-80°	184.3	1.0
80°-90°	106.3	0.6
90°-100°	176.9	1.0
100°-110°	200.3	1.1
110°-120°	95.9	0.5
120°-130°	36.7	0.2
130°-140°	23.6	0.1
140°-150°	19.8	0.1
150°-160°	14.3	0.1
160°-170°	6.8	0.0
170°-180°	1.8	0.0
0°-30°	7956.9	43.8
0°-40°	12141.7	66.8
0°-60°	16764.7	92.3
0°-90°	17596.5	96.8
90°-120°	473.0	2.6
90°-150°	553.2	3.0
90°-180°	576.0	3.2
0°-180°	18172.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10614	
5°	10578	###
15°	10162	2853
25°	8942	4098
35°	6792	4185
45°	3830	3019
55°	1712	1604
65°	511	541
75°	172	184
85°	89	80
90°	104	59
95°	164	145
105°	196	200
115°	93	96
125°	38	37
135°	30	24
145°	31	20
155°	31	14
165°	24	7
175°	18	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10613.9
2.5°	10584.0
5°	10578.0
7.5°	10531.3
10°	10427.1
12.5°	10314.6
15°	10162.5
17.5°	9925.4
20°	9620.1
22.5°	9293.2
25°	8942.3
27.5°	8534.0
30°	8040.7
32.5°	7459.9
35°	6791.8
37.5°	6002.7
40°	5190.8
42.5°	4447.2
45°	3830.5
47.5°	3363.5
50°	2950.4
52.5°	2364.9
55°	1712.3
57.5°	1192.6
60°	979.5
62.5°	741.2
65°	511.3
67.5°	336.5
70°	243.1
72.5°	197.6
75°	172.4
77.5°	147.3
80°	119.7
82.5°	98.2
85°	88.6
87.5°	91.0
90°	104.2
92.5°	130.5
95°	164.0
97.5°	196.4
100°	211.9
102.5°	210.7
105°	196.4
107.5°	171.2
110°	143.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	117.3
115°	93.4
117.5°	73.0
120°	57.5
122.5°	46.7
125°	38.3
127.5°	33.5
130°	31.1
132.5°	29.9
135°	29.9
137.5°	31.1
140°	31.1
142.5°	31.1
145°	31.1
147.5°	32.3
150°	32.3
152.5°	32.3
155°	31.1
157.5°	29.9
160°	27.5
162.5°	25.1
165°	23.9
167.5°	21.6
170°	20.4
172.5°	19.2
175°	18.0
177.5°	18.0
180°	18.0

(END OF REPORT)