

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: P1504318

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504318
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-26)
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-TRWH-PS (3500K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

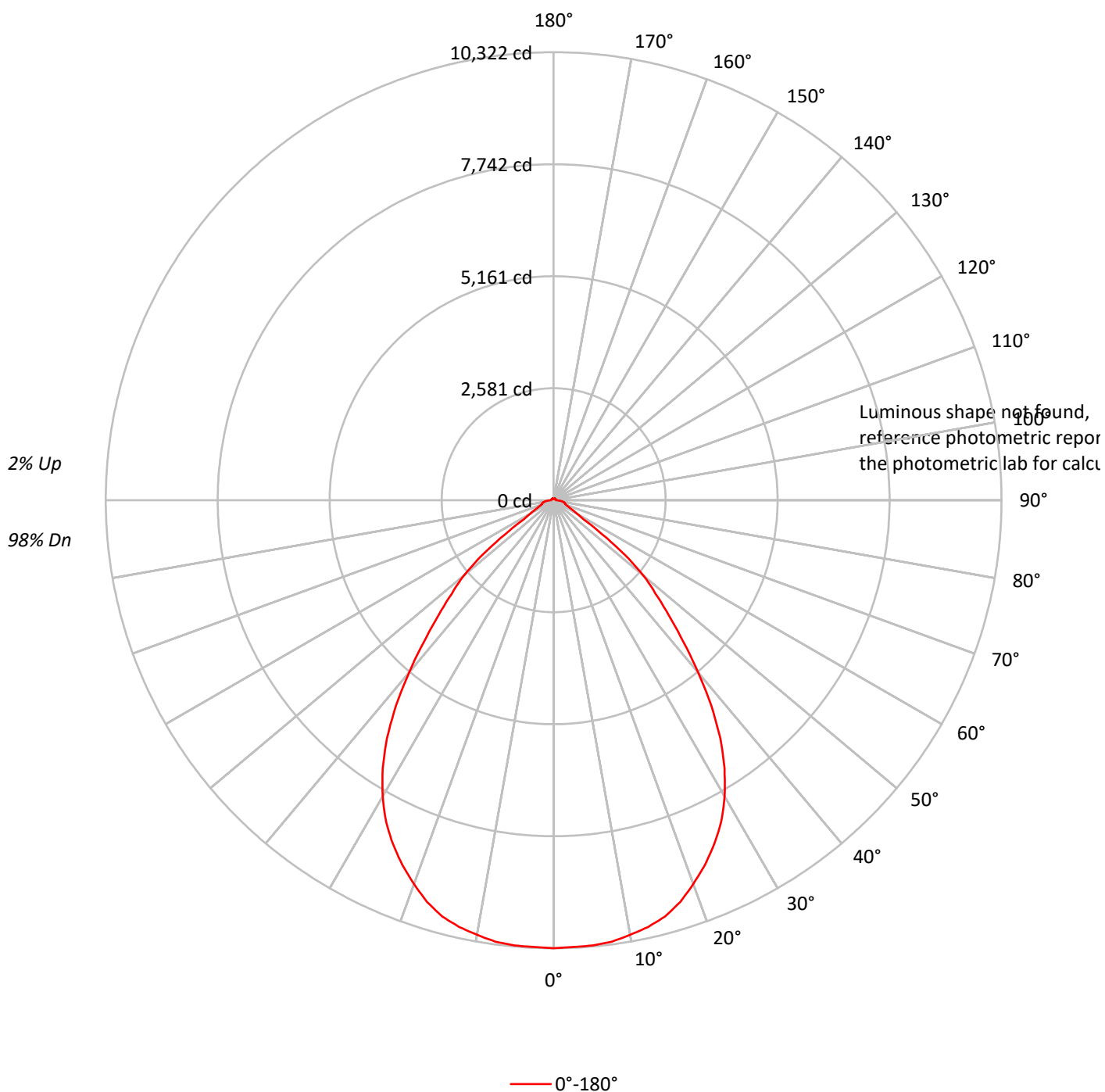
Lumens per Lamp: N/A
Luminaire Lumens: 17323.9 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.7
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





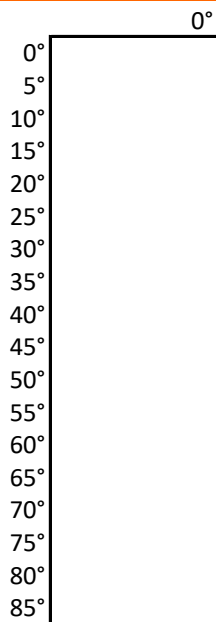
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	102	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	85	83	81	79		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	60	55	77	67	60	55	65	59	54	63	58	54	62	57	53	51		
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	57	52	48	47		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	38	60	49	43	38	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°	978.9	5.7
10°-20°	2787.5	16.1
20°-30°	4013.3	23.2
30°-40°	4131.1	23.8
40°-50°	2936.5	17.0
50°-60°	1303.0	7.5
60°-70°	422.2	2.4
70°-80°	282.3	1.6
80°-90°	160.5	0.9
90°-100°	57.8	0.3
100°-110°	56.7	0.3
110°-120°	52.3	0.3
120°-130°	45.2	0.3
130°-140°	37.2	0.2
140°-150°	29.2	0.2
150°-160°	19.0	0.1
160°-170°	8.8	0.1
170°-180°	2.2	0.0
0°-30°	7779.7	44.9
0°-40°	11910.8	68.8
0°-60°	16150.3	93.2
0°-90°	17015.3	98.2
90°-120°	166.9	1.0
90°-150°	278.5	1.6
90°-180°	309.0	1.8
0°-180°	17323.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10322	
5°	10297	979
15°	9926	2787
25°	8753	4013
35°	6694	4131
45°	3751	2936
55°	1363	1303
65°	407	422
75°	269	282
85°	152	139
90°	54	36
95°	52	43
105°	54	57
115°	52	52
125°	50	45
135°	48	37
145°	47	29
155°	41	19
165°	30	9
175°	22	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10321.5
2.5°	10300.5
5°	10297.0
7.5°	10257.4
10°	10167.7
12.5°	10068.6
15°	9926.5
17.5°	9702.8
20°	9409.1
22.5°	9099.2
25°	8753.1
27.5°	8361.6
30°	7880.4
32.5°	7328.1
35°	6694.2
37.5°	5965.9
40°	5174.7
42.5°	4426.7
45°	3750.8
47.5°	3181.0
50°	2712.6
52.5°	2065.9
55°	1363.3
57.5°	800.5
60°	621.1
62.5°	501.0
65°	406.7
67.5°	339.1
70°	304.1
72.5°	282.0
75°	269.2
77.5°	251.7
80°	227.2
82.5°	192.3
85°	151.5
87.5°	104.9
90°	53.6
92.5°	52.4
95°	52.4
97.5°	53.6
100°	53.6
102.5°	53.6
105°	53.6
107.5°	53.6
110°	53.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	53.6
115°	52.4
117.5°	52.4
120°	51.3
122.5°	51.3
125°	50.1
127.5°	50.1
130°	48.9
132.5°	48.9
135°	47.8
137.5°	47.8
140°	46.6
142.5°	46.6
145°	46.6
147.5°	46.6
150°	45.4
152.5°	44.3
155°	40.8
157.5°	37.3
160°	36.1
162.5°	32.6
165°	30.3
167.5°	28.0
170°	25.6
172.5°	23.3
175°	22.1
177.5°	21.0
180°	21.0

(END OF REPORT)