

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: P1504327

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504327
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

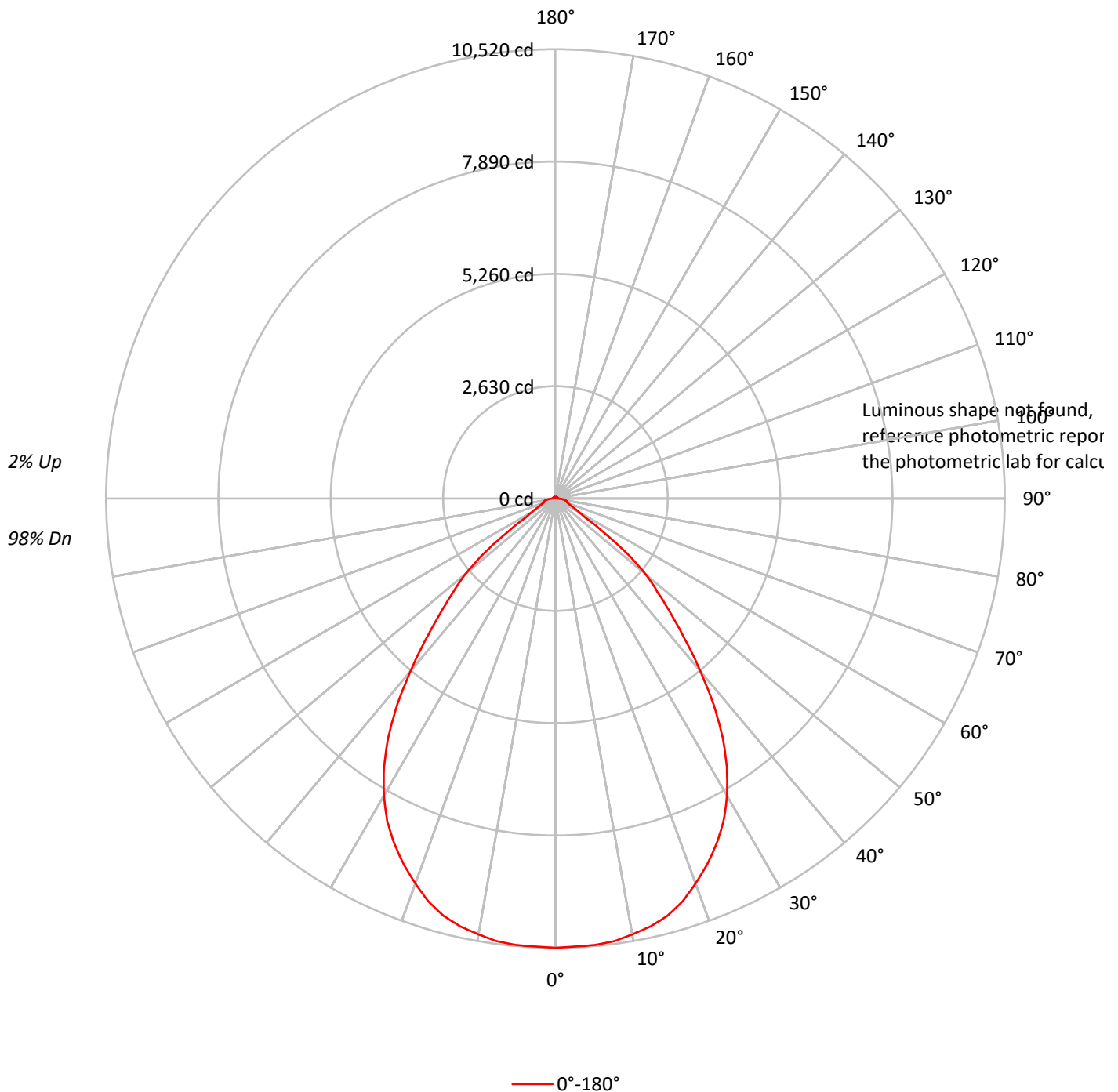
Lumens per Lamp: N/A
Luminaire Lumens: 17657.6 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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



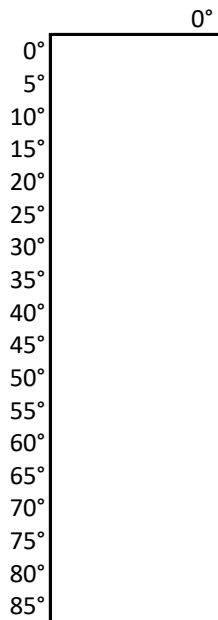
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	997.8	5.7
10°-20°	2841.2	16.1
20°-30°	4090.6	23.2
30°-40°	4210.7	23.8
40°-50°	2993.1	17.0
50°-60°	1328.1	7.5
60°-70°	430.3	2.4
70°-80°	287.8	1.6
80°-90°	163.5	0.9
90°-100°	58.9	0.3
100°-110°	57.8	0.3
110°-120°	53.3	0.3
120°-130°	46.1	0.3
130°-140°	38.0	0.2
140°-150°	29.8	0.2
150°-160°	19.4	0.1
160°-170°	8.9	0.1
170°-180°	2.3	0.0
0°-30°	7929.6	44.9
0°-40°	12140.3	68.8
0°-60°	16461.6	93.2
0°-90°	17343.2	98.2
90°-120°	170.0	1.0
90°-150°	283.9	1.6
90°-180°	314.0	1.8
0°-180°	17657.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10520	
5°	10496	998
15°	10118	2841
25°	8922	4091
35°	6823	4211
45°	3823	2993
55°	1390	1328
65°	414	430
75°	274	288
85°	154	141
90°	55	37
95°	53	44
105°	55	58
115°	53	53
125°	51	46
135°	49	38
145°	48	30
155°	42	19
165°	31	9
175°	23	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10520.4
2.5°	10499.0
5°	10495.5
7.5°	10455.1
10°	10363.6
12.5°	10262.7
15°	10117.8
17.5°	9889.7
20°	9590.4
22.5°	9274.5
25°	8921.8
27.5°	8522.7
30°	8032.2
32.5°	7469.3
35°	6823.2
37.5°	6080.9
40°	5274.5
42.5°	4512.0
45°	3823.1
47.5°	3242.3
50°	2764.9
52.5°	2105.7
55°	1389.6
57.5°	815.9
60°	633.0
62.5°	510.7
65°	414.5
67.5°	345.6
70°	310.0
72.5°	287.4
75°	274.4
77.5°	256.5
80°	231.6
82.5°	196.0
85°	154.4
87.5°	106.9
90°	54.6
92.5°	53.4
95°	53.4
97.5°	54.6
100°	54.6
102.5°	54.6
105°	54.6
107.5°	54.6
110°	54.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	54.6
115°	53.4
117.5°	53.4
120°	52.3
122.5°	52.3
125°	51.1
127.5°	51.1
130°	49.9
132.5°	49.9
135°	48.7
137.5°	48.7
140°	47.5
142.5°	47.5
145°	47.5
147.5°	47.5
150°	46.3
152.5°	45.1
155°	41.6
157.5°	38.0
160°	36.8
162.5°	33.3
165°	30.9
167.5°	28.5
170°	26.1
172.5°	23.8
175°	22.6
177.5°	21.4
180°	21.4

(END OF REPORT)