

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: P1504309

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504309
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

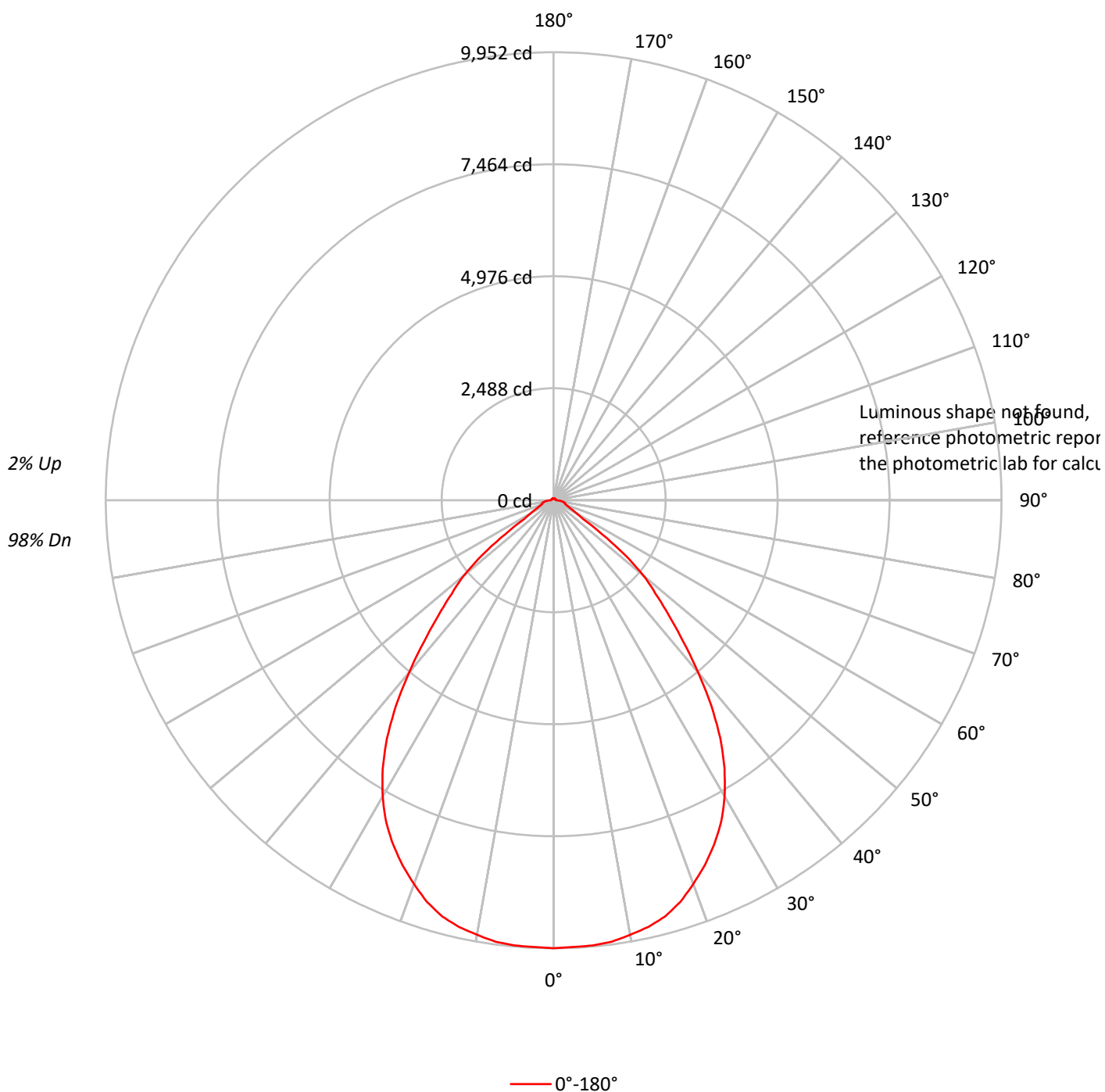
Lumens per Lamp: N/A
Luminaire Lumens: 16703.4 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 122.9
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





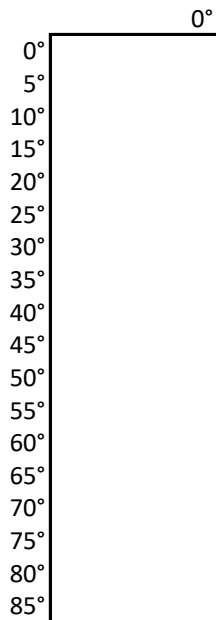
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
R																					
C	0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
R	1	111	108	104	102	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
C	2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	85	83	81	79		
R	3	97	89	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72	70		
C	4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
R	5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
C	6	79	68	60	55	77	67	60	55	65	59	54	63	58	54	62	57	53	51		
R	7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	57	52	48	47		
C	8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	43		
R	9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
C	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°	943.8	5.7
10°-20°	2687.6	16.1
20°-30°	3869.6	23.2
30°-40°	3983.1	23.8
40°-50°	2831.3	17.0
50°-60°	1256.4	7.5
60°-70°	407.0	2.4
70°-80°	272.2	1.6
80°-90°	154.7	0.9
90°-100°	55.8	0.3
100°-110°	54.7	0.3
110°-120°	50.5	0.3
120°-130°	43.6	0.3
130°-140°	35.9	0.2
140°-150°	28.1	0.2
150°-160°	18.3	0.1
160°-170°	8.5	0.1
170°-180°	2.1	0.0
0°-30°	7501.0	44.9
0°-40°	11484.1	68.8
0°-60°	15571.9	93.2
0°-90°	16405.8	98.2
90°-120°	161.0	1.0
90°-150°	268.7	1.6
90°-180°	298.0	1.8
0°-180°	16703.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9952	
5°	9928	944
15°	9571	2688
25°	8440	3870
35°	6454	3983
45°	3616	2831
55°	1314	1256
65°	392	407
75°	260	272
85°	146	134
90°	52	35
95°	51	42
105°	52	55
115°	51	51
125°	48	44
135°	46	36
145°	45	28
155°	39	18
165°	29	8
175°	21	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9951.8
2.5°	9931.5
5°	9928.2
7.5°	9890.0
10°	9803.5
12.5°	9708.0
15°	9570.9
17.5°	9355.2
20°	9072.1
22.5°	8773.2
25°	8439.6
27.5°	8062.1
30°	7598.1
32.5°	7065.5
35°	6454.4
37.5°	5752.2
40°	4989.4
42.5°	4268.1
45°	3616.5
47.5°	3067.1
50°	2615.5
52.5°	1991.9
55°	1314.5
57.5°	771.8
60°	598.8
62.5°	483.1
65°	392.1
67.5°	326.9
70°	293.2
72.5°	271.9
75°	259.5
77.5°	242.7
80°	219.1
82.5°	185.4
85°	146.1
87.5°	101.1
90°	51.7
92.5°	50.6
95°	50.6
97.5°	51.7
100°	51.7
102.5°	51.7
105°	51.7
107.5°	51.7
110°	51.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.7
115°	50.6
117.5°	50.6
120°	49.4
122.5°	49.4
125°	48.3
127.5°	48.3
130°	47.2
132.5°	47.2
135°	46.1
137.5°	46.1
140°	44.9
142.5°	44.9
145°	44.9
147.5°	44.9
150°	43.8
152.5°	42.7
155°	39.3
157.5°	36.0
160°	34.8
162.5°	31.5
165°	29.2
167.5°	27.0
170°	24.7
172.5°	22.5
175°	21.3
177.5°	20.2
180°	20.2

(END OF REPORT)