

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: P1504669

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504669
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-38)
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-B-04-TRWH-PS (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

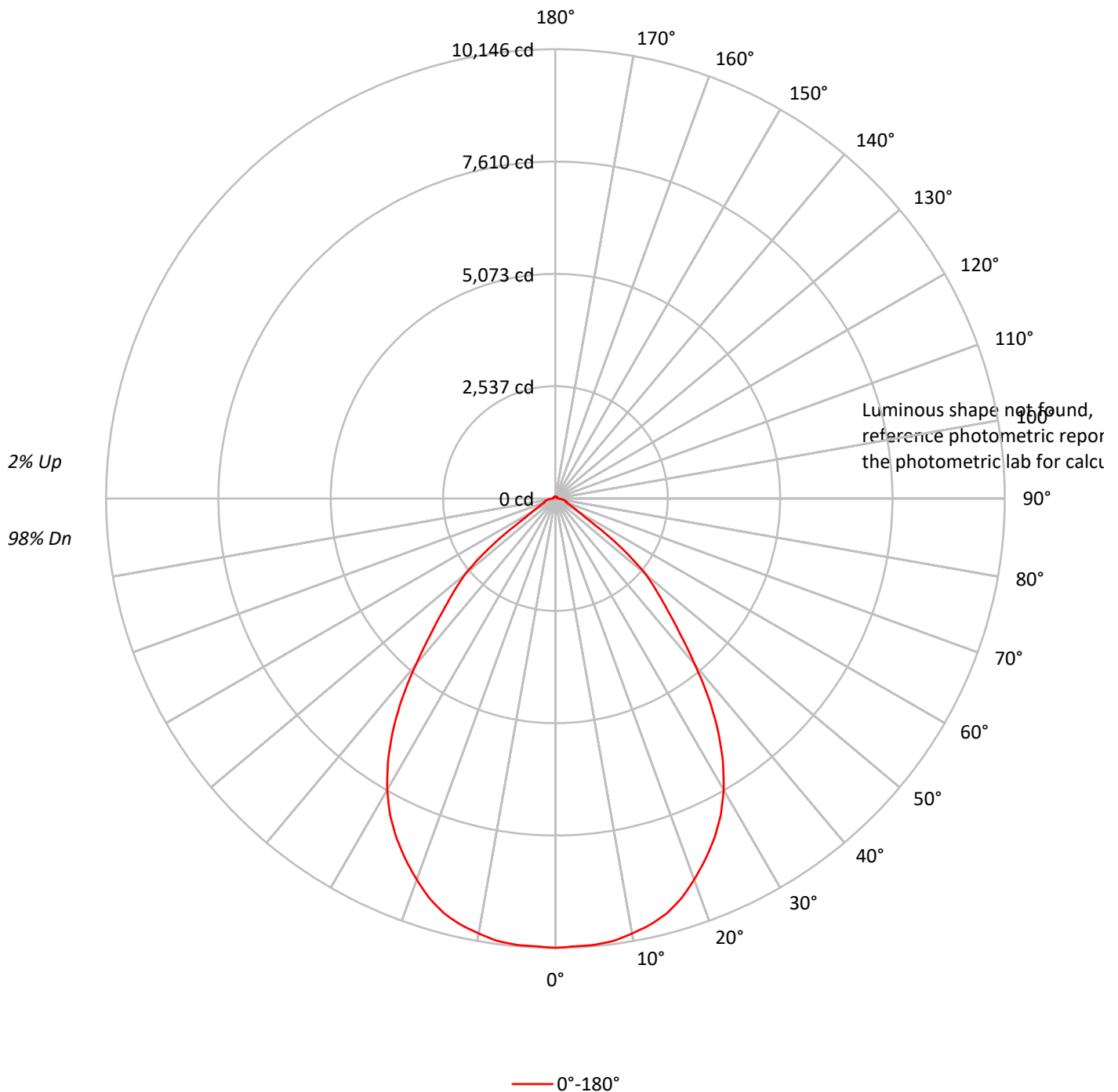
Lumens per Lamp: N/A
Luminaire Lumens: 16723.9 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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



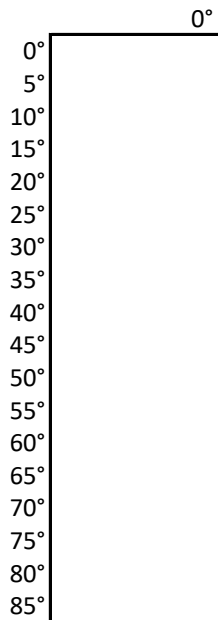
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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	105	102	109	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	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	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	63	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	57	52	49	47		
8	69	58	51	46	68	57	50	46	56	50	45	55	49	45	53	48	45	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	50	45	41	39		
10	62	50	43	39	60	50	43	38	49	42	38	48	42	38	47	42	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°	961.4	5.7
10°-20°	2723.2	16.3
20°-30°	3885.5	23.2
30°-40°	3950.9	23.6
40°-50°	2816.3	16.8
50°-60°	1293.0	7.7
60°-70°	404.5	2.4
70°-80°	254.8	1.5
80°-90°	135.4	0.8
90°-100°	52.8	0.3
100°-110°	53.4	0.3
110°-120°	50.1	0.3
120°-130°	44.0	0.3
130°-140°	36.9	0.2
140°-150°	29.0	0.2
150°-160°	19.6	0.1
160°-170°	10.2	0.1
170°-180°	2.9	0.0
0°-30°	7570.2	45.3
0°-40°	11521.0	68.9
0°-60°	15630.4	93.5
0°-90°	16425.1	98.2
90°-120°	156.3	0.9
90°-150°	266.1	1.6
90°-180°	299.0	1.8
0°-180°	16723.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10146	
5°	10119	961
15°	9701	2723
25°	8478	3886
35°	6396	3951
45°	3582	2816
55°	1371	1293
65°	389	405
75°	244	255
85°	126	117
90°	48	32
95°	48	40
105°	51	53
115°	51	50
125°	49	44
135°	47	37
145°	46	29
155°	43	20
165°	36	10
175°	29	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10146.1
2.5°	10120.3
5°	10119.2
7.5°	10074.2
10°	9974.2
12.5°	9860.8
15°	9701.2
17.5°	9464.2
20°	9157.5
22.5°	8829.4
25°	8477.8
27.5°	8073.3
30°	7598.1
32.5°	7036.3
35°	6396.0
37.5°	5684.8
40°	4901.7
42.5°	4190.6
45°	3581.6
47.5°	3112.0
50°	2663.8
52.5°	2048.1
55°	1370.6
57.5°	794.3
60°	611.2
62.5°	484.2
65°	388.7
67.5°	319.1
70°	282.0
72.5°	258.4
75°	243.8
77.5°	223.6
80°	195.5
82.5°	162.9
85°	125.8
87.5°	86.5
90°	48.3
92.5°	47.2
95°	48.3
97.5°	49.4
100°	49.4
102.5°	50.6
105°	50.6
107.5°	50.6
110°	50.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.6
115°	50.6
117.5°	50.6
120°	49.4
122.5°	49.4
125°	49.4
127.5°	48.3
130°	48.3
132.5°	48.3
135°	47.2
137.5°	47.2
140°	47.2
142.5°	46.1
145°	46.1
147.5°	46.1
150°	44.9
152.5°	43.8
155°	42.7
157.5°	40.4
160°	39.3
162.5°	37.1
165°	36.0
167.5°	33.7
170°	31.5
172.5°	30.3
175°	29.2
177.5°	29.2
180°	29.2

(END OF REPORT)