

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: P1504663

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504663
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_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

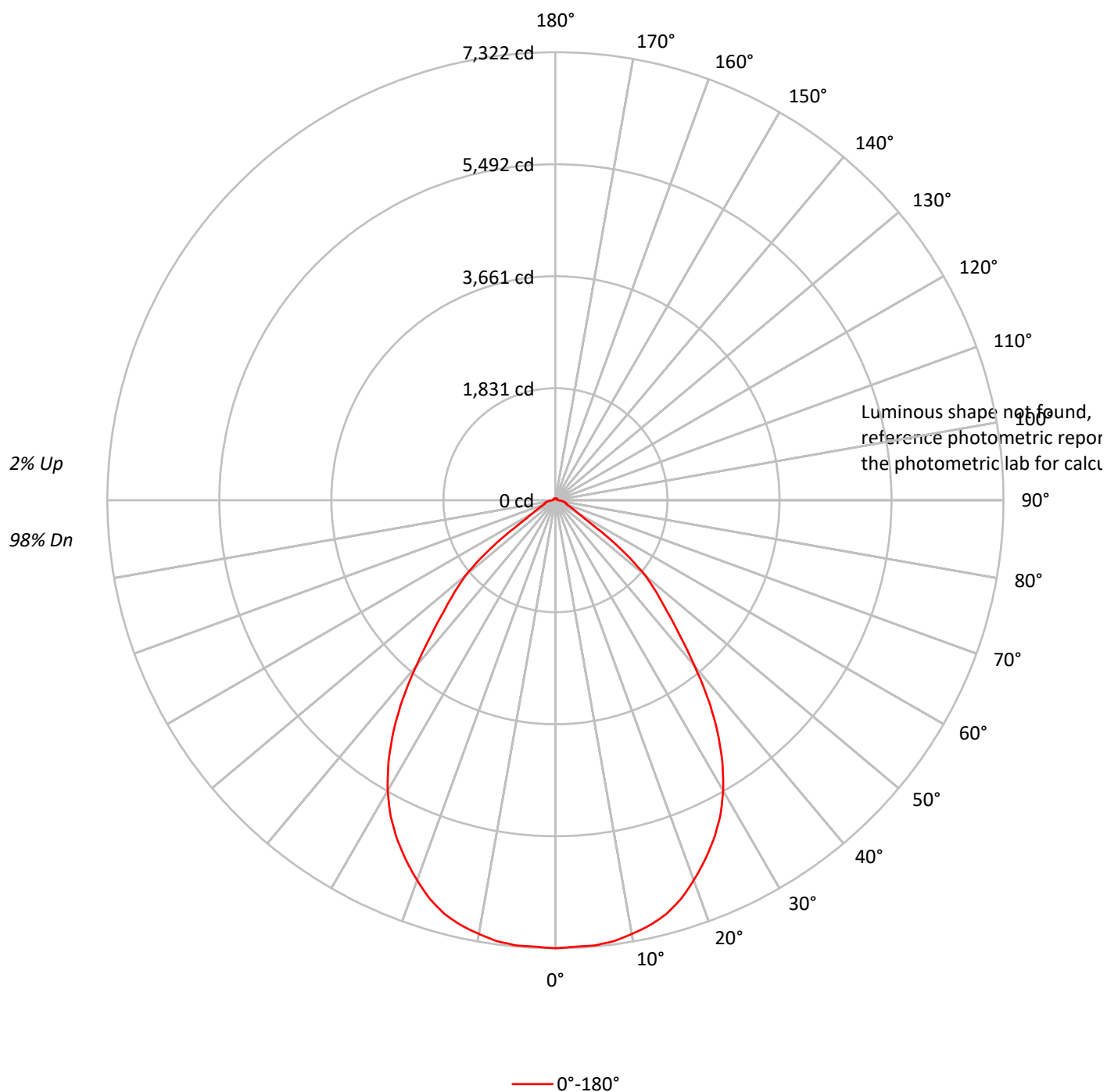
Lumens per Lamp: N/A
Luminaire Lumens: 12069.7 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 82.8
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





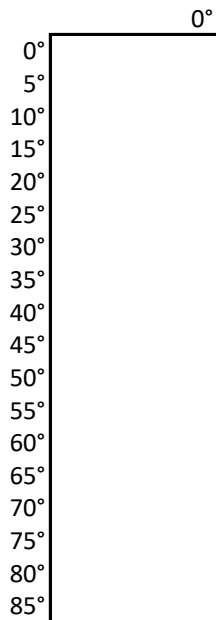
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	693.8	5.7
10°-20°	1965.4	16.3
20°-30°	2804.2	23.2
30°-40°	2851.3	23.6
40°-50°	2032.6	16.8
50°-60°	933.1	7.7
60°-70°	292.0	2.4
70°-80°	183.9	1.5
80°-90°	97.7	0.8
90°-100°	38.2	0.3
100°-110°	38.5	0.3
110°-120°	36.1	0.3
120°-130°	31.8	0.3
130°-140°	26.7	0.2
140°-150°	20.9	0.2
150°-160°	14.2	0.1
160°-170°	7.3	0.1
170°-180°	2.1	0.0
0°-30°	5463.4	45.3
0°-40°	8314.7	68.9
0°-60°	11280.5	93.5
0°-90°	11854.0	98.2
90°-120°	112.8	0.9
90°-150°	192.1	1.6
90°-180°	216.0	1.8
0°-180°	12069.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7322	
5°	7303	694
15°	7001	1965
25°	6118	2804
35°	4616	2851
45°	2585	2033
55°	989	933
65°	280	292
75°	176	184
85°	91	84
90°	35	23
95°	35	29
105°	36	39
115°	36	36
125°	36	32
135°	34	27
145°	33	21
155°	31	14
165°	26	7
175°	21	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7322.5
2.5°	7303.8
5°	7303.0
7.5°	7270.6
10°	7198.4
12.5°	7116.5
15°	7001.4
17.5°	6830.3
20°	6609.0
22.5°	6372.2
25°	6118.4
27.5°	5826.5
30°	5483.5
32.5°	5078.1
35°	4616.0
37.5°	4102.7
40°	3537.6
42.5°	3024.3
45°	2584.9
47.5°	2246.0
50°	1922.4
52.5°	1478.1
55°	989.2
57.5°	573.2
60°	441.1
62.5°	349.5
65°	280.5
67.5°	230.3
70°	203.5
72.5°	186.5
75°	175.9
77.5°	161.4
80°	141.1
82.5°	117.6
85°	90.8
87.5°	62.4
90°	34.9
92.5°	34.1
95°	34.9
97.5°	35.7
100°	35.7
102.5°	36.5
105°	36.5
107.5°	36.5
110°	36.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	36.5
115°	36.5
117.5°	36.5
120°	35.7
122.5°	35.7
125°	35.7
127.5°	34.9
130°	34.9
132.5°	34.9
135°	34.1
137.5°	34.1
140°	34.1
142.5°	33.2
145°	33.2
147.5°	33.2
150°	32.4
152.5°	31.6
155°	30.8
157.5°	29.2
160°	28.4
162.5°	26.8
165°	25.9
167.5°	24.3
170°	22.7
172.5°	21.9
175°	21.1
177.5°	21.1
180°	21.1

(END OF REPORT)