

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: P1504672

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504672
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

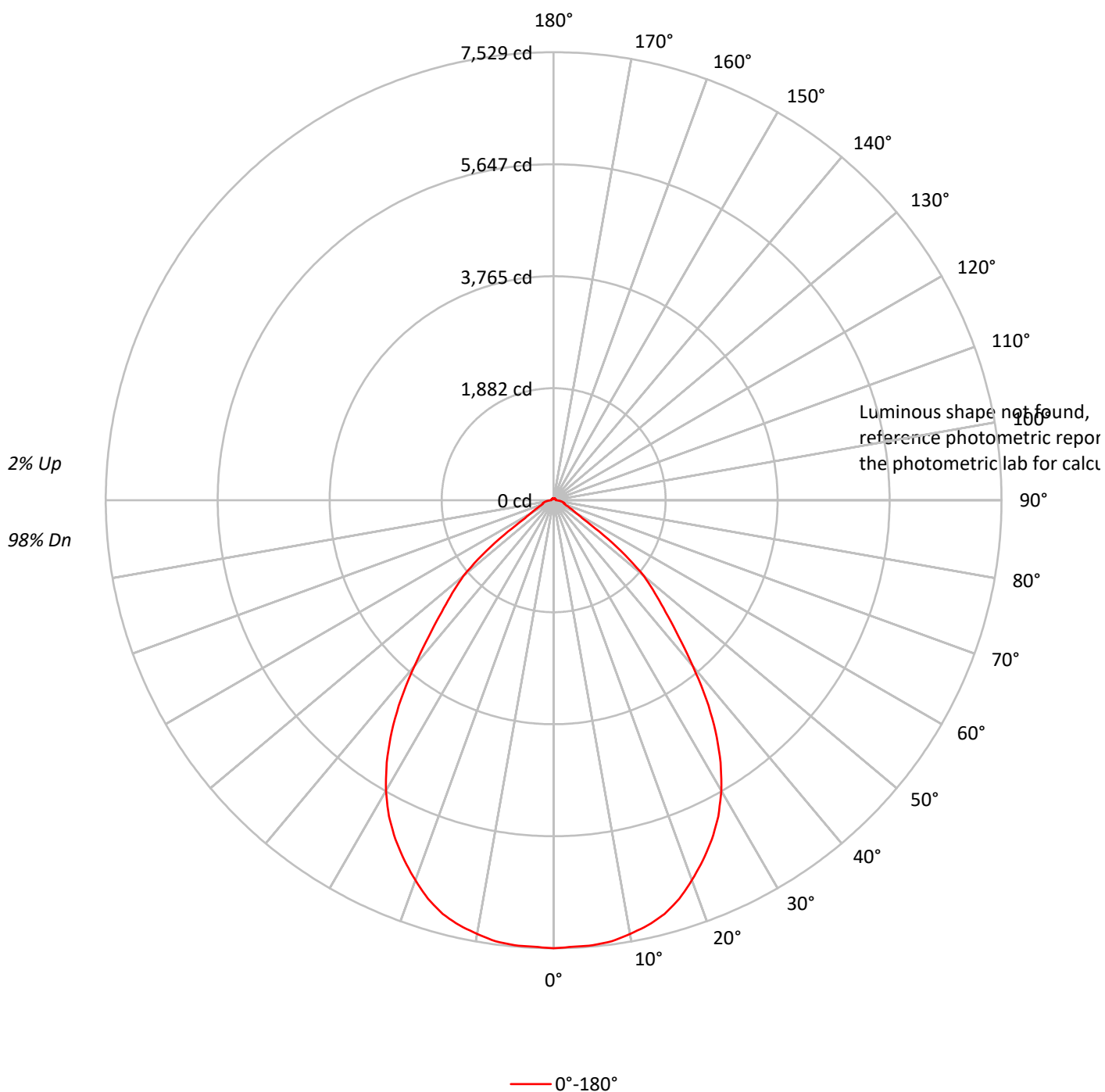
Lumens per Lamp: N/A
Luminaire Lumens: 12410.2 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.7
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





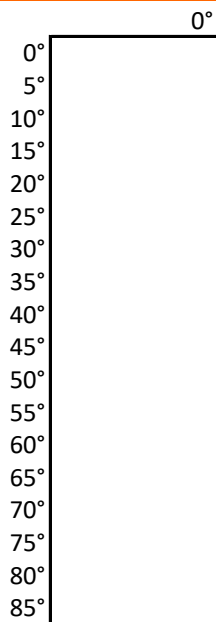
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	713.4	5.7
10°-20°	2020.8	16.3
20°-30°	2883.3	23.2
30°-40°	2931.8	23.6
40°-50°	2089.9	16.8
50°-60°	959.5	7.7
60°-70°	300.2	2.4
70°-80°	189.1	1.5
80°-90°	100.5	0.8
90°-100°	39.2	0.3
100°-110°	39.6	0.3
110°-120°	37.1	0.3
120°-130°	32.6	0.3
130°-140°	27.3	0.2
140°-150°	21.5	0.2
150°-160°	14.6	0.1
160°-170°	7.6	0.1
170°-180°	2.1	0.0
0°-30°	5617.6	45.3
0°-40°	8549.4	68.9
0°-60°	11598.8	93.5
0°-90°	12188.6	98.2
90°-120°	115.9	0.9
90°-150°	197.4	1.6
90°-180°	222.0	1.8
0°-180°	12410.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7529	
5°	7509	713
15°	7199	2021
25°	6291	2883
35°	4746	2932
45°	2658	2090
55°	1017	959
65°	288	300
75°	181	189
85°	93	87
90°	36	23
95°	36	30
105°	38	40
115°	38	37
125°	37	33
135°	35	27
145°	34	21
155°	32	15
165°	27	8
175°	22	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7529.1
2.5°	7509.9
5°	7509.1
7.5°	7475.8
10°	7401.6
12.5°	7317.4
15°	7199.0
17.5°	7023.1
20°	6795.5
22.5°	6552.0
25°	6291.1
27.5°	5990.9
30°	5638.3
32.5°	5221.4
35°	4746.2
37.5°	4218.5
40°	3637.4
42.5°	3109.7
45°	2657.8
47.5°	2309.3
50°	1976.7
52.5°	1519.8
55°	1017.1
57.5°	589.4
60°	453.5
62.5°	359.3
65°	288.5
67.5°	236.8
70°	209.3
72.5°	191.8
75°	180.9
77.5°	165.9
80°	145.1
82.5°	120.9
85°	93.4
87.5°	64.2
90°	35.8
92.5°	35.0
95°	35.8
97.5°	36.7
100°	36.7
102.5°	37.5
105°	37.5
107.5°	37.5
110°	37.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.5
115°	37.5
117.5°	37.5
120°	36.7
122.5°	36.7
125°	36.7
127.5°	35.8
130°	35.8
132.5°	35.8
135°	35.0
137.5°	35.0
140°	35.0
142.5°	34.2
145°	34.2
147.5°	34.2
150°	33.3
152.5°	32.5
155°	31.7
157.5°	30.0
160°	29.2
162.5°	27.5
165°	26.7
167.5°	25.0
170°	23.3
172.5°	22.5
175°	21.7
177.5°	21.7
180°	21.7

(END OF REPORT)