

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: P1504690

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504690
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

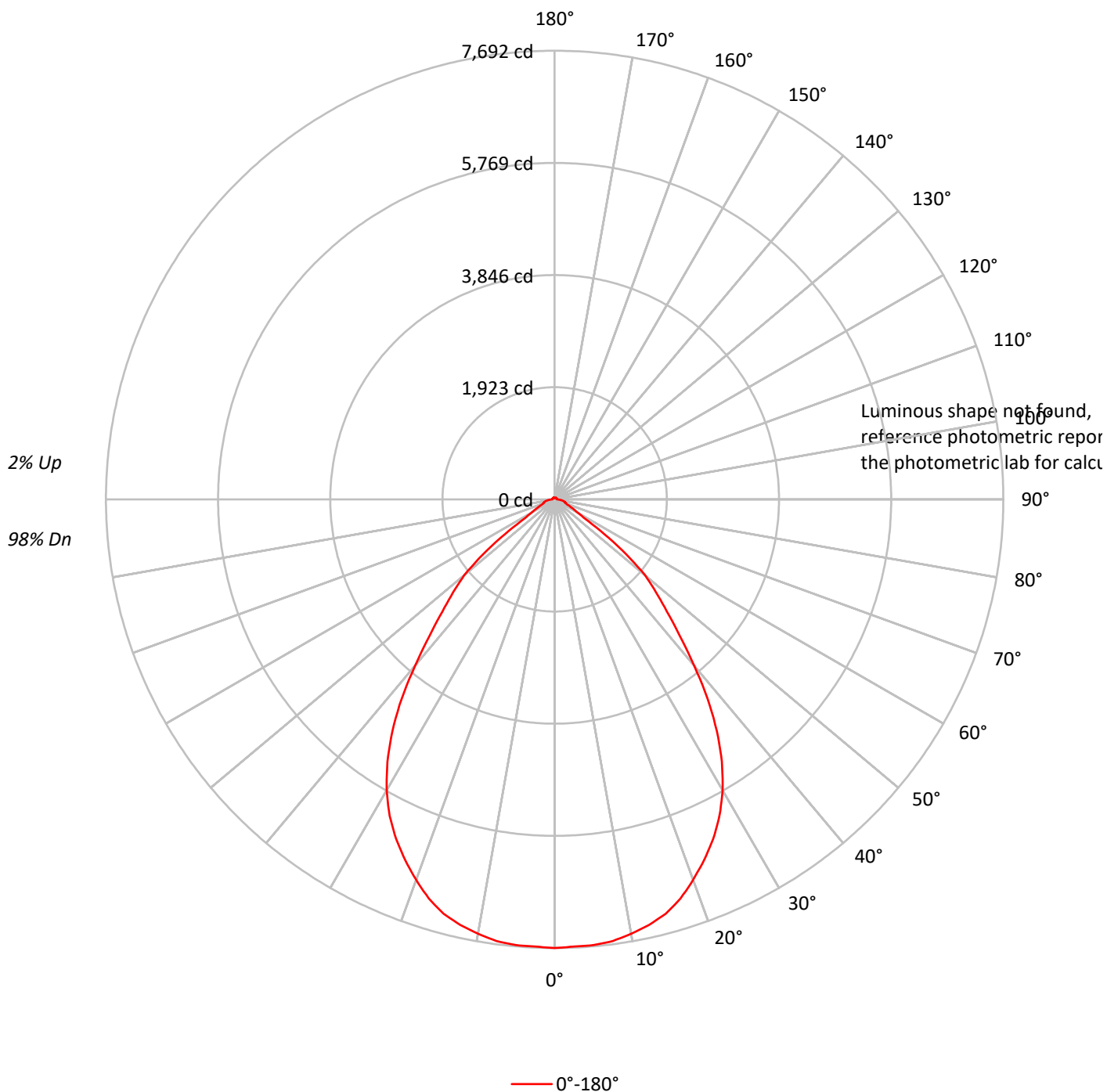
Lumens per Lamp: N/A
Luminaire Lumens: 12678.1 lumens
Efficiency: N/A
Efficacy: 156.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.1
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°	728.8	5.7
10°-20°	2064.4	16.3
20°-30°	2945.5	23.2
30°-40°	2995.1	23.6
40°-50°	2135.0	16.8
50°-60°	980.2	7.7
60°-70°	306.7	2.4
70°-80°	193.2	1.5
80°-90°	102.7	0.8
90°-100°	40.1	0.3
100°-110°	40.4	0.3
110°-120°	37.9	0.3
120°-130°	33.4	0.3
130°-140°	28.0	0.2
140°-150°	21.9	0.2
150°-160°	14.9	0.1
160°-170°	7.7	0.1
170°-180°	2.2	0.0
0°-30°	5738.8	45.3
0°-40°	8733.9	68.9
0°-60°	11849.1	93.5
0°-90°	12451.6	98.2
90°-120°	118.4	0.9
90°-150°	201.7	1.6
90°-180°	226.0	1.8
0°-180°	12678.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7692	
5°	7671	729
15°	7354	2064
25°	6427	2946
35°	4849	2995
45°	2715	2135
55°	1039	980
65°	295	307
75°	185	193
85°	95	89
90°	37	24
95°	37	30
105°	38	40
115°	38	38
125°	38	33
135°	36	28
145°	35	22
155°	32	15
165°	27	8
175°	22	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7691.6
2.5°	7672.0
5°	7671.2
7.5°	7637.1
10°	7561.3
12.5°	7475.3
15°	7354.3
17.5°	7174.6
20°	6942.1
22.5°	6693.4
25°	6426.8
27.5°	6120.2
30°	5760.0
32.5°	5334.1
35°	4848.7
37.5°	4309.5
40°	3715.9
42.5°	3176.8
45°	2715.2
47.5°	2359.2
50°	2019.4
52.5°	1552.6
55°	1039.1
57.5°	602.1
60°	463.3
62.5°	367.1
65°	294.7
67.5°	241.9
70°	213.8
72.5°	195.9
75°	184.8
77.5°	169.5
80°	148.2
82.5°	123.5
85°	95.4
87.5°	65.6
90°	36.6
92.5°	35.8
95°	36.6
97.5°	37.5
100°	37.5
102.5°	38.3
105°	38.3
107.5°	38.3
110°	38.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.3
115°	38.3
117.5°	38.3
120°	37.5
122.5°	37.5
125°	37.5
127.5°	36.6
130°	36.6
132.5°	36.6
135°	35.8
137.5°	35.8
140°	35.8
142.5°	34.9
145°	34.9
147.5°	34.9
150°	34.1
152.5°	33.2
155°	32.4
157.5°	30.7
160°	29.8
162.5°	28.1
165°	27.3
167.5°	25.6
170°	23.8
172.5°	23.0
175°	22.1
177.5°	22.1
180°	22.1

(END OF REPORT)