

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: P1504332

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504332
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-5)
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 (5000K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

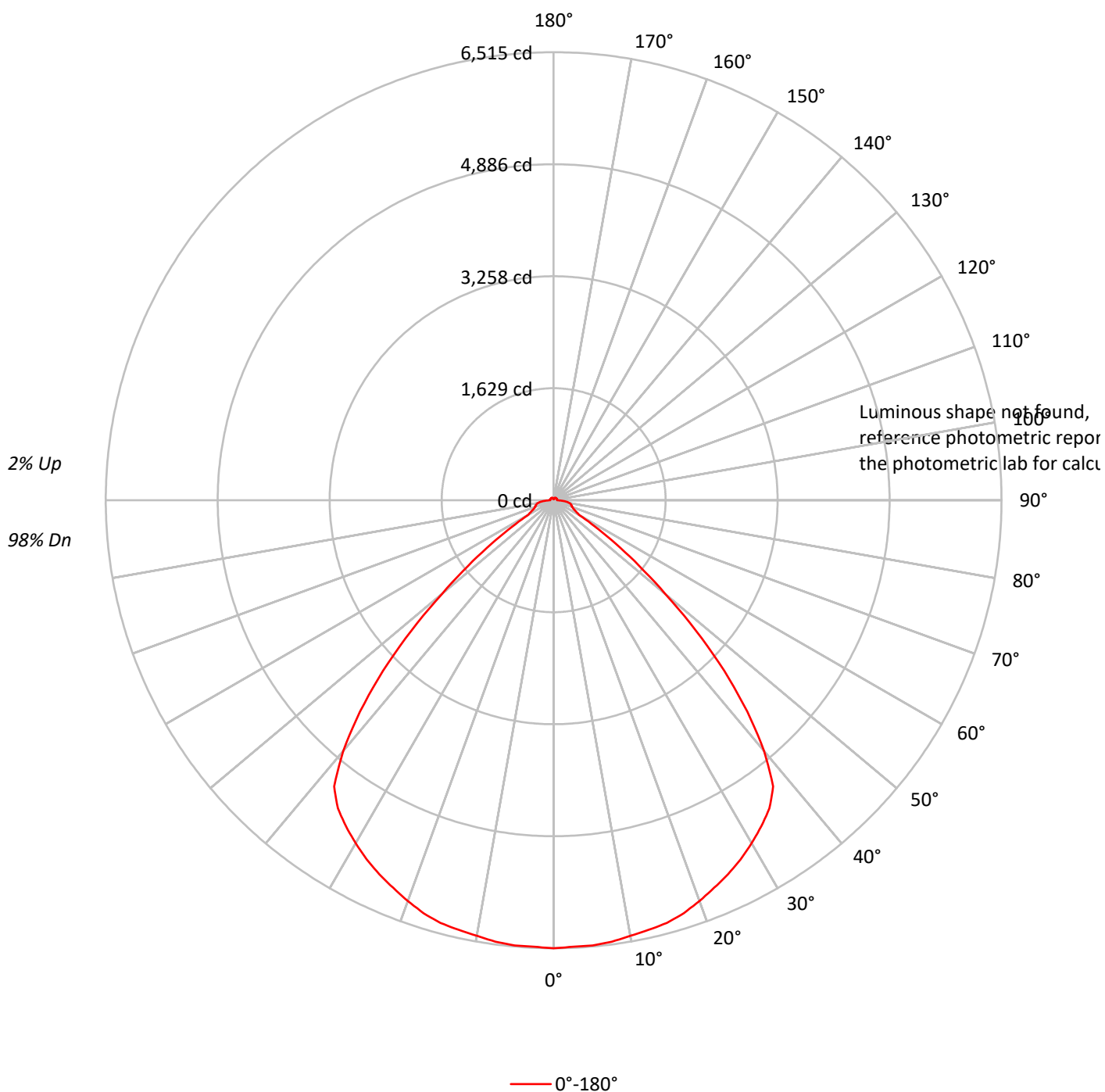
Lumens per Lamp: N/A
Luminaire Lumens: 13331.5 lumens
Efficiency: N/A
Efficacy: 164.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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	107	104	101	108	104	101	99	100	97	95	96	94	92	92	90	89	87		
2	103	96	91	86	100	94	89	85	91	87	83	87	84	81	84	81	79	77		
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	77	73	70	68		
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63	61		
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	54		
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50	49		
7	72	60	53	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44		
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41	40		
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38	36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.1	4.6
10°-20°	1795.0	13.5
20°-30°	2767.9	20.8
30°-40°	3381.0	25.4
40°-50°	2667.9	20.0
50°-60°	1027.1	7.7
60°-70°	340.8	2.6
70°-80°	277.6	2.1
80°-90°	164.5	1.2
90°-100°	55.5	0.4
100°-110°	54.5	0.4
110°-120°	49.9	0.4
120°-130°	43.1	0.3
130°-140°	35.1	0.3
140°-150°	27.0	0.2
150°-160°	17.2	0.1
160°-170°	7.6	0.1
170°-180°	1.8	0.0
0°-30°	5181.0	38.9
0°-40°	8562.0	64.2
0°-60°	12257.0	91.9
0°-90°	13039.9	97.8
90°-120°	159.9	1.2
90°-150°	265.1	2.0
90°-180°	292.0	2.2
0°-180°	13331.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6515	
5°	6499	618
15°	6363	1795
25°	6000	2768
35°	5471	3381
45°	3511	2668
55°	1100	1027
65°	336	341
75°	265	278
85°	158	143
90°	51	35
95°	51	42
105°	52	55
115°	50	50
125°	48	43
135°	45	35
145°	43	27
155°	37	17
165°	26	8
175°	17	2
180°	16	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6515.4
2.5°	6499.2
5°	6499.2
7.5°	6474.5
10°	6432.0
12.5°	6398.7
15°	6363.0
17.5°	6295.7
20°	6201.1
22.5°	6100.7
25°	6000.2
27.5°	5889.4
30°	5759.1
32.5°	5622.0
35°	5471.3
37.5°	5243.9
40°	4762.6
42.5°	4168.2
45°	3510.7
47.5°	2805.5
50°	2119.9
52.5°	1564.6
55°	1099.5
57.5°	703.5
60°	433.5
62.5°	375.6
65°	336.4
67.5°	304.1
70°	288.7
72.5°	275.1
75°	264.9
77.5°	251.2
80°	230.0
82.5°	200.1
85°	158.4
87.5°	104.8
90°	51.1
92.5°	50.2
95°	51.1
97.5°	51.1
100°	51.1
102.5°	52.0
105°	52.0
107.5°	51.1
110°	51.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.1
115°	50.2
117.5°	49.4
120°	49.4
122.5°	48.5
125°	47.7
127.5°	47.7
130°	46.8
132.5°	46.0
135°	45.1
137.5°	44.3
140°	44.3
142.5°	43.4
145°	42.6
147.5°	42.6
150°	41.7
152.5°	40.0
155°	36.6
157.5°	34.1
160°	31.5
162.5°	29.0
165°	25.6
167.5°	23.8
170°	21.3
172.5°	19.6
175°	17.0
177.5°	16.2
180°	16.2

(END OF REPORT)