

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: P1504305

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504305
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

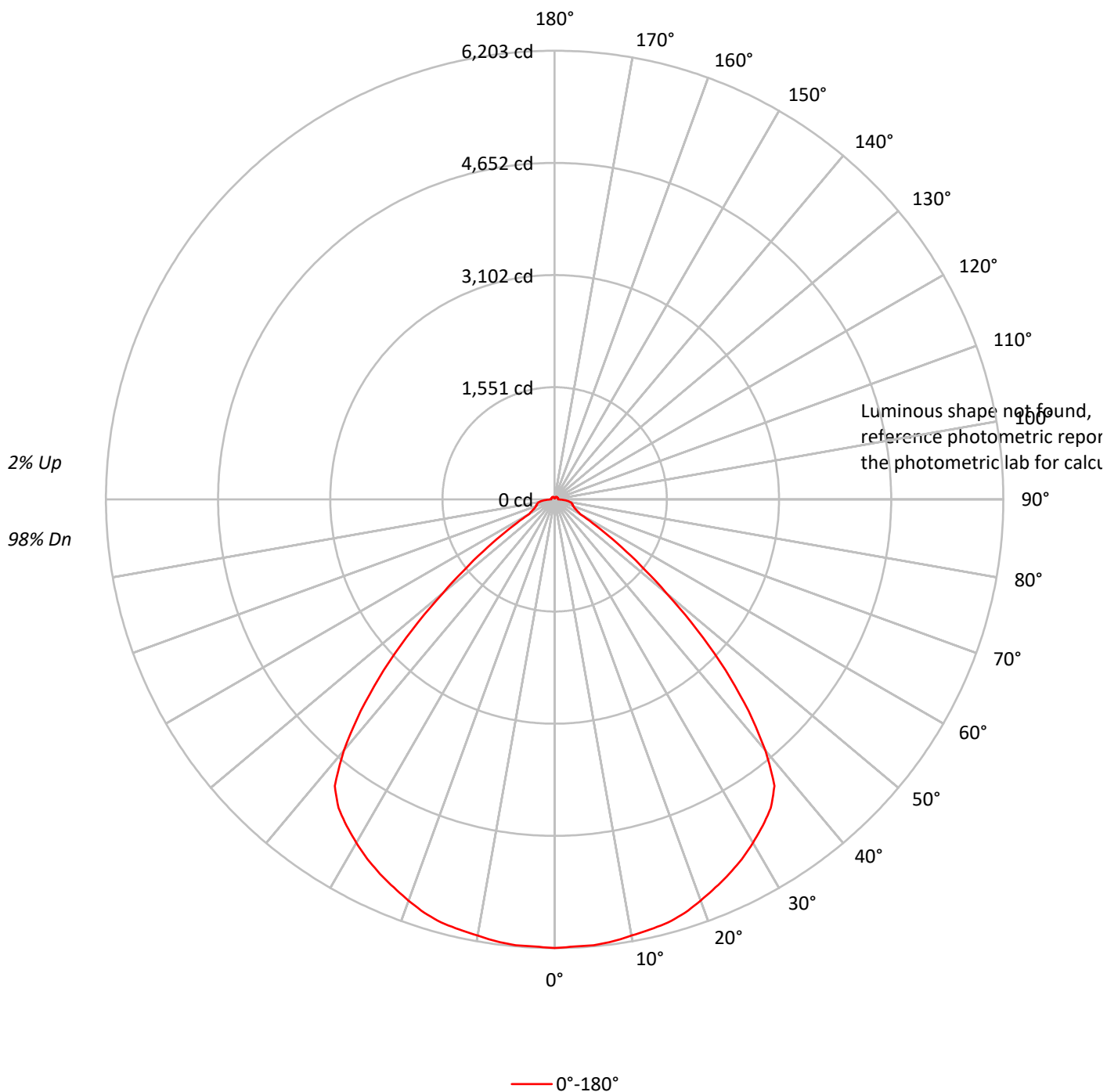
Lumens per Lamp: N/A
Luminaire Lumens: 12691.6 lumens
Efficiency: N/A
Efficacy: 153.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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	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°	588.5	4.6
10°-20°	1708.8	13.5
20°-30°	2635.0	20.8
30°-40°	3218.7	25.4
40°-50°	2539.8	20.0
50°-60°	977.8	7.7
60°-70°	324.5	2.6
70°-80°	264.3	2.1
80°-90°	156.5	1.2
90°-100°	52.8	0.4
100°-110°	51.9	0.4
110°-120°	47.5	0.4
120°-130°	41.0	0.3
130°-140°	33.4	0.3
140°-150°	25.7	0.2
150°-160°	16.4	0.1
160°-170°	7.2	0.1
170°-180°	1.7	0.0
0°-30°	4932.4	38.9
0°-40°	8151.1	64.2
0°-60°	11668.7	91.9
0°-90°	12414.1	97.8
90°-120°	152.2	1.2
90°-150°	252.3	2.0
90°-180°	278.0	2.2
0°-180°	12691.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6203	
5°	6187	588
15°	6058	1709
25°	5712	2635
35°	5209	3219
45°	3342	2540
55°	1047	978
65°	320	325
75°	252	264
85°	151	136
90°	49	34
95°	49	40
105°	50	52
115°	48	47
125°	45	41
135°	43	33
145°	40	26
155°	35	16
165°	24	7
175°	16	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6202.7
2.5°	6187.3
5°	6187.3
7.5°	6163.8
10°	6123.3
12.5°	6091.7
15°	6057.6
17.5°	5993.5
20°	5903.5
22.5°	5807.9
25°	5712.2
27.5°	5606.8
30°	5482.7
32.5°	5352.2
35°	5208.7
37.5°	4992.2
40°	4534.1
42.5°	3968.1
45°	3342.2
47.5°	2670.8
50°	2018.1
52.5°	1489.5
55°	1046.8
57.5°	669.7
60°	412.7
62.5°	357.6
65°	320.3
67.5°	289.5
70°	274.9
72.5°	261.9
75°	252.2
77.5°	239.2
80°	218.9
82.5°	190.5
85°	150.8
87.5°	99.7
90°	48.6
92.5°	47.8
95°	48.6
97.5°	48.6
100°	48.6
102.5°	49.5
105°	49.5
107.5°	48.6
110°	48.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	48.6
115°	47.8
117.5°	47.0
120°	47.0
122.5°	46.2
125°	45.4
127.5°	45.4
130°	44.6
132.5°	43.8
135°	43.0
137.5°	42.2
140°	42.2
142.5°	41.4
145°	40.5
147.5°	40.5
150°	39.7
152.5°	38.1
155°	34.9
157.5°	32.4
160°	30.0
162.5°	27.6
165°	24.3
167.5°	22.7
170°	20.3
172.5°	18.6
175°	16.2
177.5°	15.4
180°	15.4

(END OF REPORT)