

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: P1504465

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-CLER-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504465
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-44)
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-06-CLER-PS (5000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

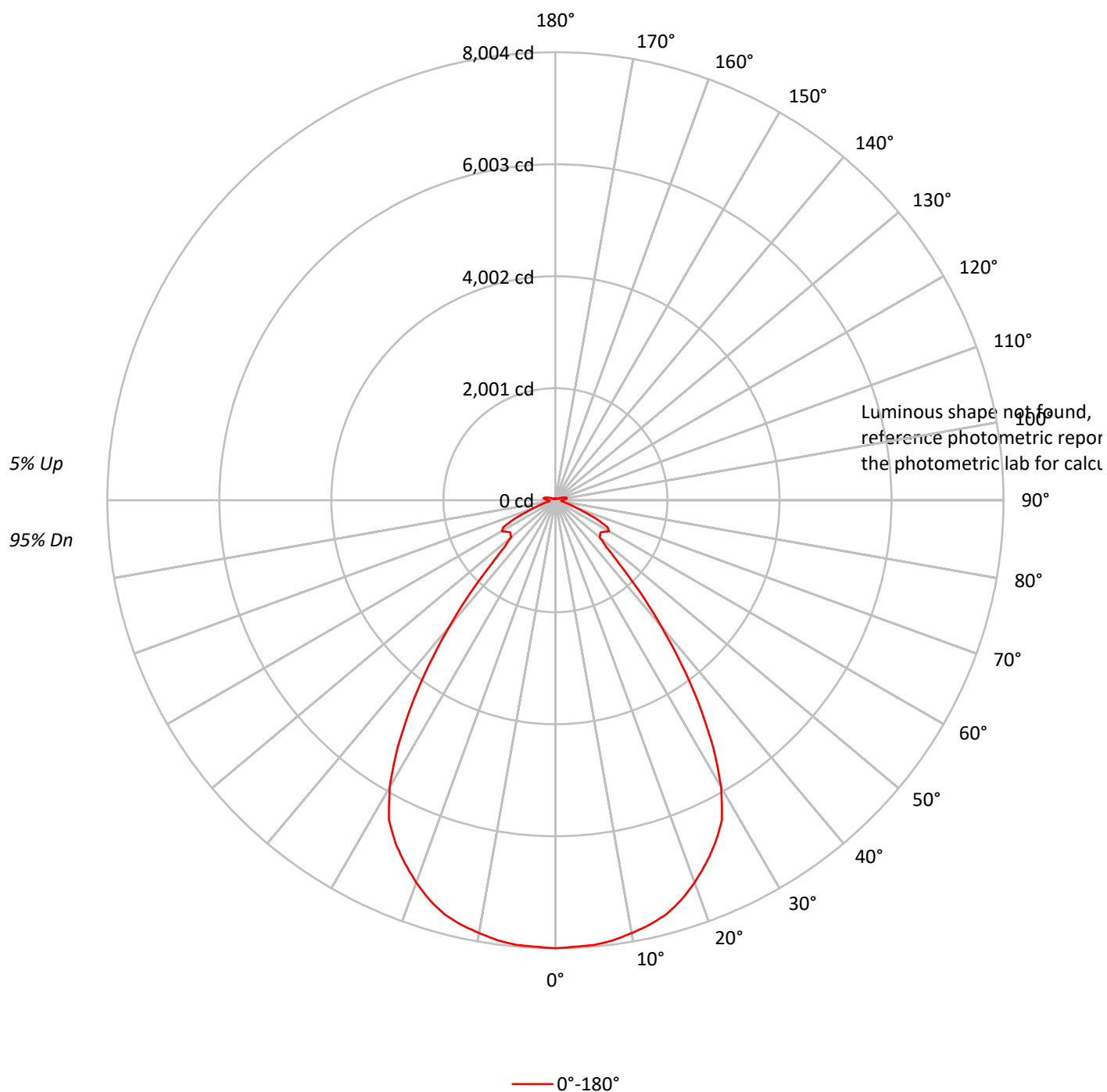
Lumens per Lamp: N/A
Luminaire Lumens: 12799.6 lumens
Efficiency: N/A
Efficacy: 157.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95		
1	110	107	103	100	107	104	101	98	99	97	94	94	92	91	90	89	87	85		
2	103	96	91	86	100	94	89	85	90	86	82	86	83	80	83	80	78	75		
3	96	87	81	76	93	85	79	75	82	77	73	79	75	71	76	72	69	67		
4	89	80	72	67	87	78	71	66	75	69	65	72	68	64	70	66	62	61		
5	83	73	65	60	81	72	65	60	69	63	59	67	62	58	65	60	57	55		
6	78	67	60	54	76	66	59	54	64	58	53	62	56	52	60	55	52	50		
7	73	62	55	49	71	61	54	49	59	53	48	57	52	48	56	51	47	46		
8	69	57	50	45	67	57	50	45	55	49	45	54	48	44	52	47	44	42		
9	65	53	46	42	63	53	46	41	51	45	41	50	45	41	49	44	40	39		
10	61	50	43	39	60	49	43	38	48	42	38	47	42	38	46	41	37	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°	757.2	5.9
10°-20°	2151.2	16.8
20°-30°	3085.7	24.1
30°-40°	2770.5	21.6
40°-50°	1351.2	10.6
50°-60°	923.2	7.2
60°-70°	799.5	6.2
70°-80°	252.2	2.0
80°-90°	118.5	0.9
90°-100°	184.2	1.4
100°-110°	190.5	1.5
110°-120°	94.5	0.7
120°-130°	41.3	0.3
130°-140°	29.4	0.2
140°-150°	23.2	0.2
150°-160°	16.3	0.1
160°-170°	8.8	0.1
170°-180°	2.2	0.0
0°-30°	5994.1	46.8
0°-40°	8764.5	68.5
0°-60°	11038.9	86.2
0°-90°	12209.1	95.4
90°-120°	469.3	3.7
90°-150°	563.2	4.4
90°-180°	591.0	4.6
0°-180°	12799.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8004	
5°	7975	757
15°	7658	2151
25°	6757	3086
35°	4490	2770
45°	1614	1351
55°	994	923
65°	840	799
75°	224	252
85°	100	88
90°	119	67
95°	171	148
105°	183	191
115°	92	95
125°	44	41
135°	38	29
145°	37	23
155°	35	16
165°	31	9
175°	22	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8004.2
2.5°	7983.7
5°	7975.2
7.5°	7928.4
10°	7851.7
12.5°	7770.0
15°	7658.4
17.5°	7485.5
20°	7266.6
22.5°	7024.7
25°	6757.3
27.5°	6440.5
30°	5918.4
32.5°	5250.7
35°	4490.1
37.5°	3707.4
40°	2937.5
42.5°	2257.0
45°	1614.0
47.5°	1228.1
50°	1037.4
52.5°	1003.3
55°	993.9
57.5°	1045.0
60°	1104.6
62.5°	1048.4
65°	839.8
67.5°	595.3
70°	411.4
72.5°	298.1
75°	224.0
77.5°	166.1
80°	127.8
82.5°	106.5
85°	99.6
87.5°	104.8
90°	119.2
92.5°	143.9
95°	171.2
97.5°	196.7
100°	208.7
102.5°	201.9
105°	183.1
107.5°	161.0
110°	138.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	114.1
115°	92.0
117.5°	74.1
120°	59.6
122.5°	50.2
125°	44.3
127.5°	40.0
130°	38.3
132.5°	37.5
135°	38.3
137.5°	38.3
140°	37.5
142.5°	37.5
145°	36.6
147.5°	36.6
150°	35.8
152.5°	35.8
155°	34.9
157.5°	34.9
160°	34.1
162.5°	33.2
165°	30.7
167.5°	28.1
170°	25.6
172.5°	23.8
175°	22.1
177.5°	22.1
180°	21.3

(END OF REPORT)