

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: P1504808

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504808
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-55)
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-06-CLER-PS (3500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

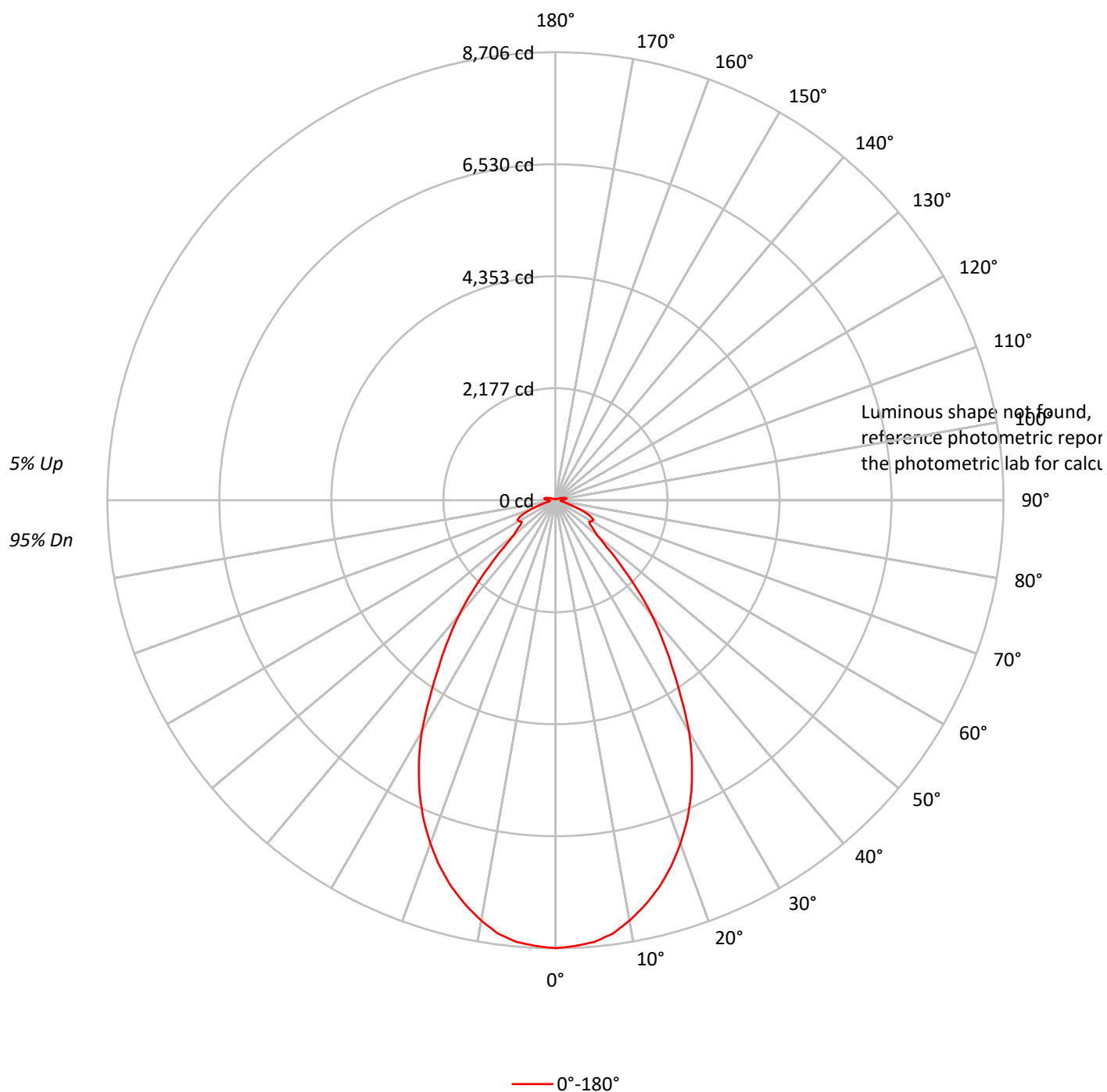
Lumens per Lamp: N/A
Luminaire Lumens: 12227.0 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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





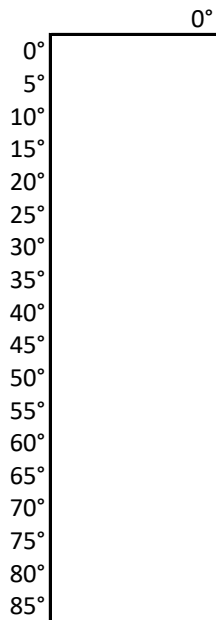
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95		
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	68	87	78	72	67	75	70	65	73	68	64	70	66	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	78	68	60	55	76	66	60	55	64	58	54	62	57	53	60	56	52	50		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	812.4	6.6
10°-20°	2180.1	17.8
20°-30°	2848.9	23.3
30°-40°	2479.4	20.3
40°-50°	1440.3	11.8
50°-60°	776.2	6.3
60°-70°	712.4	5.8
70°-80°	267.5	2.2
80°-90°	121.3	1.0
90°-100°	201.4	1.6
100°-110°	187.3	1.5
110°-120°	85.8	0.7
120°-130°	37.5	0.3
130°-140°	28.0	0.2
140°-150°	21.9	0.2
150°-160°	15.1	0.1
160°-170°	8.8	0.1
170°-180°	2.4	0.0
0°-30°	5841.4	47.8
0°-40°	8320.8	68.1
0°-60°	10537.4	86.2
0°-90°	11638.6	95.2
90°-120°	474.5	3.9
90°-150°	561.9	4.6
90°-180°	588.0	4.8
0°-180°	12227.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8706	
5°	8617	812
15°	7784	2180
25°	6249	2849
35°	3948	2479
45°	1828	1440
55°	820	776
65°	767	712
75°	227	268
85°	102	88
90°	130	73
95°	191	162
105°	178	187
115°	83	86
125°	40	38
135°	36	28
145°	35	22
155°	32	15
165°	32	9
175°	25	2
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8705.5
2.5°	8668.8
5°	8617.1
7.5°	8496.2
10°	8294.5
12.5°	8056.8
15°	7784.2
17.5°	7466.6
20°	7101.4
22.5°	6702.1
25°	6249.4
27.5°	5742.5
30°	5197.3
32.5°	4538.6
35°	3947.6
37.5°	3424.8
40°	2908.8
42.5°	2365.2
45°	1827.5
47.5°	1364.8
50°	1063.0
52.5°	936.2
55°	819.5
57.5°	777.8
60°	812.9
62.5°	834.5
65°	767.0
67.5°	634.4
70°	475.2
72.5°	330.1
75°	226.8
77.5°	160.9
80°	122.6
82.5°	105.0
85°	102.5
87.5°	110.9
90°	130.1
92.5°	159.2
95°	190.9
97.5°	214.3
100°	218.4
102.5°	204.3
105°	178.4
107.5°	151.7
110°	126.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	103.4
115°	83.4
117.5°	66.7
120°	54.2
122.5°	45.0
125°	40.0
127.5°	36.7
130°	35.8
132.5°	35.8
135°	35.8
137.5°	36.7
140°	36.7
142.5°	35.8
145°	35.0
147.5°	33.3
150°	33.3
152.5°	32.5
155°	32.5
157.5°	32.5
160°	33.3
162.5°	32.5
165°	31.7
167.5°	29.2
170°	26.7
172.5°	25.0
175°	25.0
177.5°	25.8
180°	25.8

(END OF REPORT)