

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: P1504834

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504834
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-56)
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 (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

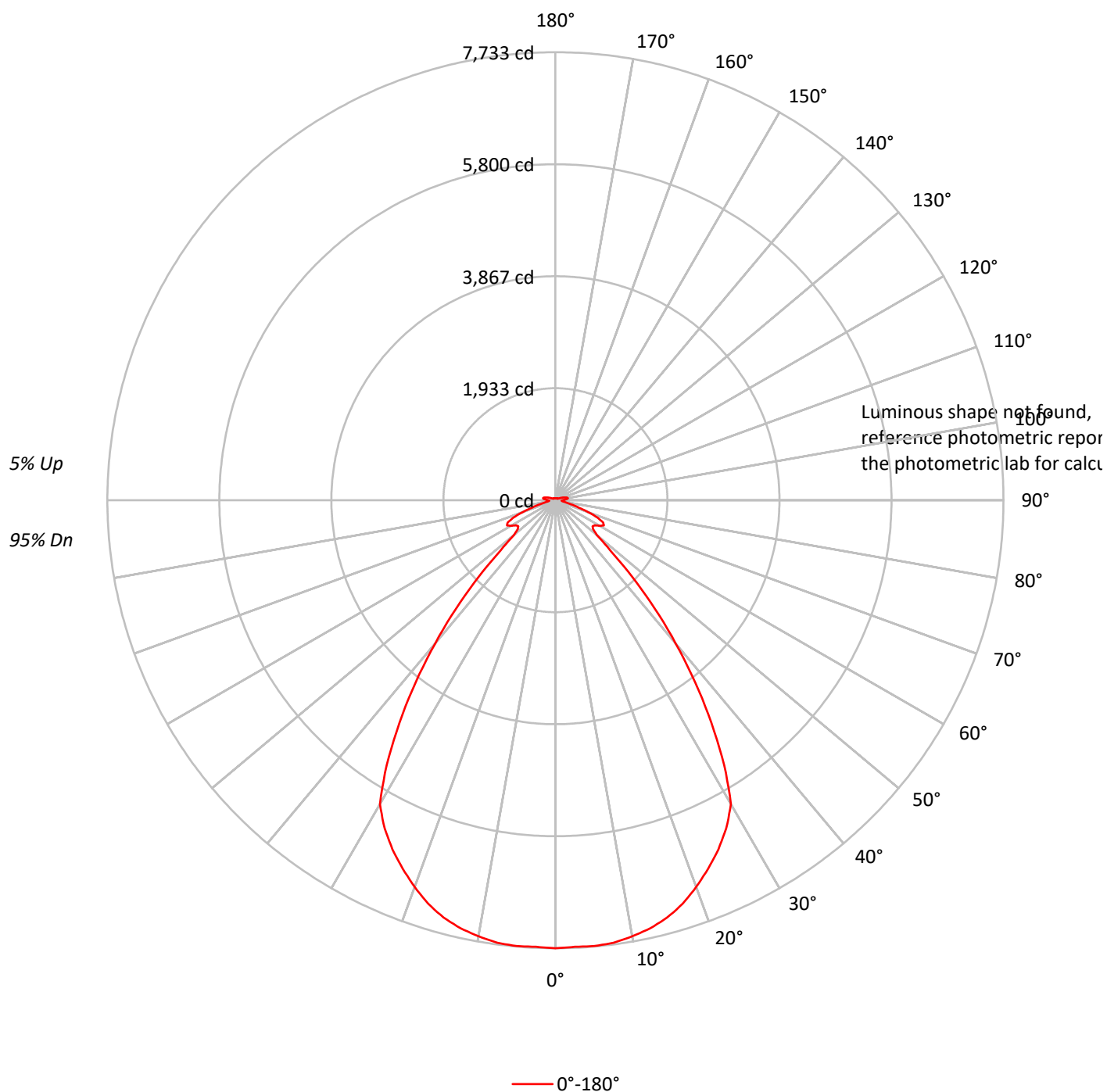
Lumens per Lamp: N/A
Luminaire Lumens: 12918.3 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 83
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				0
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	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	85			
2	102	96	90	86	100	94	89	85	90	85	82	86	82	79	82	79	77	75			
3	95	87	80	75	93	85	79	74	82	77	72	78	74	71	75	72	69	67			
4	89	79	72	67	86	78	71	66	75	69	65	72	67	63	69	65	62	60			
5	83	72	65	60	81	71	64	59	69	63	58	66	61	57	64	60	56	54			
6	78	67	59	54	76	66	59	53	63	57	53	61	56	52	60	55	51	49			
7	73	62	54	49	71	61	54	49	59	53	48	57	52	47	55	51	47	45			
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	48	43	40	38			
10	61	50	43	38	60	49	42	38	48	42	38	46	41	37	45	40	37	35			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.8	5.7
10°-20°	2097.2	16.2
20°-30°	3052.6	23.6
30°-40°	2904.8	22.5
40°-50°	1480.2	11.5
50°-60°	742.4	5.7
60°-70°	836.1	6.5
70°-80°	337.6	2.6
80°-90°	126.4	1.0
90°-100°	194.6	1.5
100°-110°	192.1	1.5
110°-120°	91.5	0.7
120°-130°	41.6	0.3
130°-140°	31.8	0.2
140°-150°	24.9	0.2
150°-160°	17.1	0.1
160°-170°	9.9	0.1
170°-180°	2.8	0.0
0°-30°	5884.6	45.6
0°-40°	8789.4	68.0
0°-60°	11012.0	85.2
0°-90°	12312.0	95.3
90°-120°	478.2	3.7
90°-150°	576.5	4.5
90°-180°	606.0	4.7
0°-180°	12918.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7733	
5°	7723	735
15°	7457	2097
25°	6651	3053
35°	4693	2905
45°	1876	1480
55°	782	742
65°	908	836
75°	286	338
85°	106	94
90°	124	70
95°	183	157
105°	185	192
115°	89	92
125°	44	42
135°	42	32
145°	40	25
155°	36	17
165°	36	10
175°	29	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7733.3
2.5°	7715.5
5°	7723.1
7.5°	7703.7
10°	7643.5
12.5°	7568.1
15°	7457.1
17.5°	7303.8
20°	7103.8
22.5°	6883.6
25°	6651.4
27.5°	6384.6
30°	6056.7
32.5°	5422.1
35°	4692.7
37.5°	3961.5
40°	3229.6
42.5°	2540.8
45°	1875.7
47.5°	1277.6
50°	933.6
52.5°	818.4
55°	782.0
57.5°	804.8
60°	879.4
62.5°	943.8
65°	908.2
67.5°	782.0
70°	605.8
72.5°	425.3
75°	286.4
77.5°	197.4
80°	142.3
82.5°	115.2
85°	105.9
87.5°	109.3
90°	123.7
92.5°	150.8
95°	183.0
97.5°	209.3
100°	217.7
102.5°	206.7
105°	184.7
107.5°	158.4
110°	133.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	110.1
115°	89.0
117.5°	72.0
120°	58.5
122.5°	50.0
125°	44.1
127.5°	41.5
130°	39.8
132.5°	40.7
135°	41.5
137.5°	41.5
140°	41.5
142.5°	40.7
145°	39.8
147.5°	38.1
150°	37.3
152.5°	37.3
155°	36.4
157.5°	36.4
160°	37.3
162.5°	36.4
165°	35.6
167.5°	33.0
170°	30.5
172.5°	28.8
175°	28.8
177.5°	28.8
180°	29.7

(END OF REPORT)