

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: P1504828

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504828
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 (5000K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

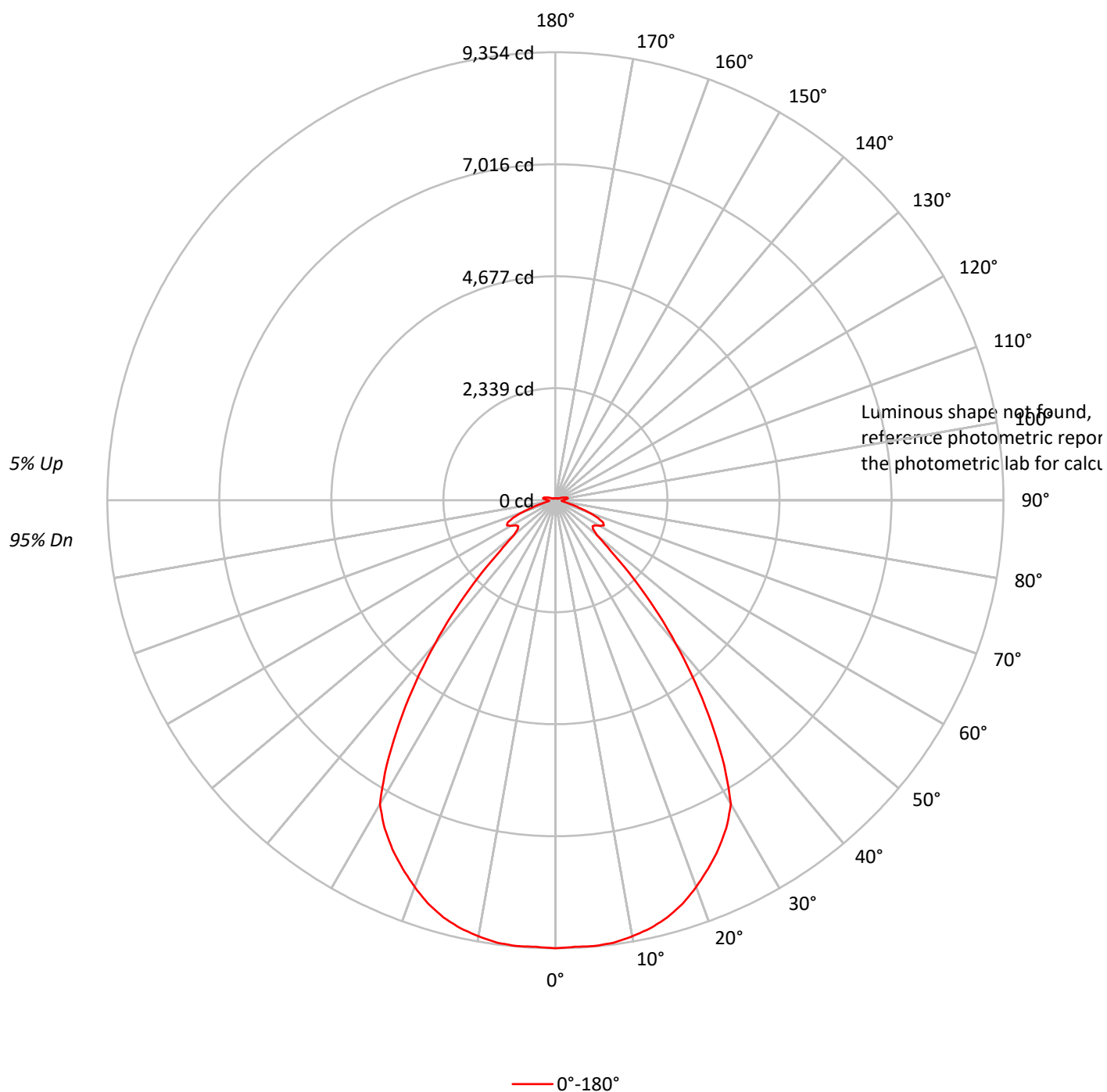
Lumens per Lamp: N/A
Luminaire Lumens: 15625.6 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.1
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				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°	888.8	5.7
10°-20°	2536.7	16.2
20°-30°	3692.3	23.6
30°-40°	3513.6	22.5
40°-50°	1790.4	11.5
50°-60°	898.0	5.7
60°-70°	1011.3	6.5
70°-80°	408.3	2.6
80°-90°	152.9	1.0
90°-100°	235.3	1.5
100°-110°	232.4	1.5
110°-120°	110.7	0.7
120°-130°	50.3	0.3
130°-140°	38.5	0.2
140°-150°	30.1	0.2
150°-160°	20.7	0.1
160°-170°	12.0	0.1
170°-180°	3.4	0.0
0°-30°	7117.8	45.6
0°-40°	10631.4	68.0
0°-60°	13319.8	85.2
0°-90°	14892.3	95.3
90°-120°	578.4	3.7
90°-150°	697.3	4.5
90°-180°	733.0	4.7
0°-180°	15625.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9354	
5°	9342	889
15°	9020	2537
25°	8045	3692
35°	5676	3514
45°	2269	1790
55°	946	898
65°	1098	1011
75°	346	408
85°	128	114
90°	150	84
95°	221	190
105°	223	232
115°	108	111
125°	53	50
135°	50	38
145°	48	30
155°	44	21
165°	43	12
175°	35	3
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9354.0
2.5°	9332.5
5°	9341.7
7.5°	9318.2
10°	9245.4
12.5°	9154.2
15°	9019.9
17.5°	8834.5
20°	8592.6
22.5°	8326.2
25°	8045.4
27.5°	7722.6
30°	7326.0
32.5°	6558.5
35°	5676.2
37.5°	4791.8
40°	3906.4
42.5°	3073.3
45°	2268.8
47.5°	1545.3
50°	1129.3
52.5°	989.9
55°	945.9
57.5°	973.5
60°	1063.7
62.5°	1141.6
65°	1098.5
67.5°	945.9
70°	732.7
72.5°	514.4
75°	346.4
77.5°	238.8
80°	172.2
82.5°	139.4
85°	128.1
87.5°	132.2
90°	149.6
92.5°	182.4
95°	221.3
97.5°	253.1
100°	263.4
102.5°	250.0
105°	223.4
107.5°	191.6
110°	160.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	133.2
115°	107.6
117.5°	87.1
120°	70.7
122.5°	60.5
125°	53.3
127.5°	50.2
130°	48.2
132.5°	49.2
135°	50.2
137.5°	50.2
140°	50.2
142.5°	49.2
145°	48.2
147.5°	46.1
150°	45.1
152.5°	45.1
155°	44.1
157.5°	44.1
160°	45.1
162.5°	44.1
165°	43.0
167.5°	40.0
170°	36.9
172.5°	34.8
175°	34.8
177.5°	34.8
180°	35.9

(END OF REPORT)