

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: P1504648

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504648
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-32)
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-04-CLER-PS (5000K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

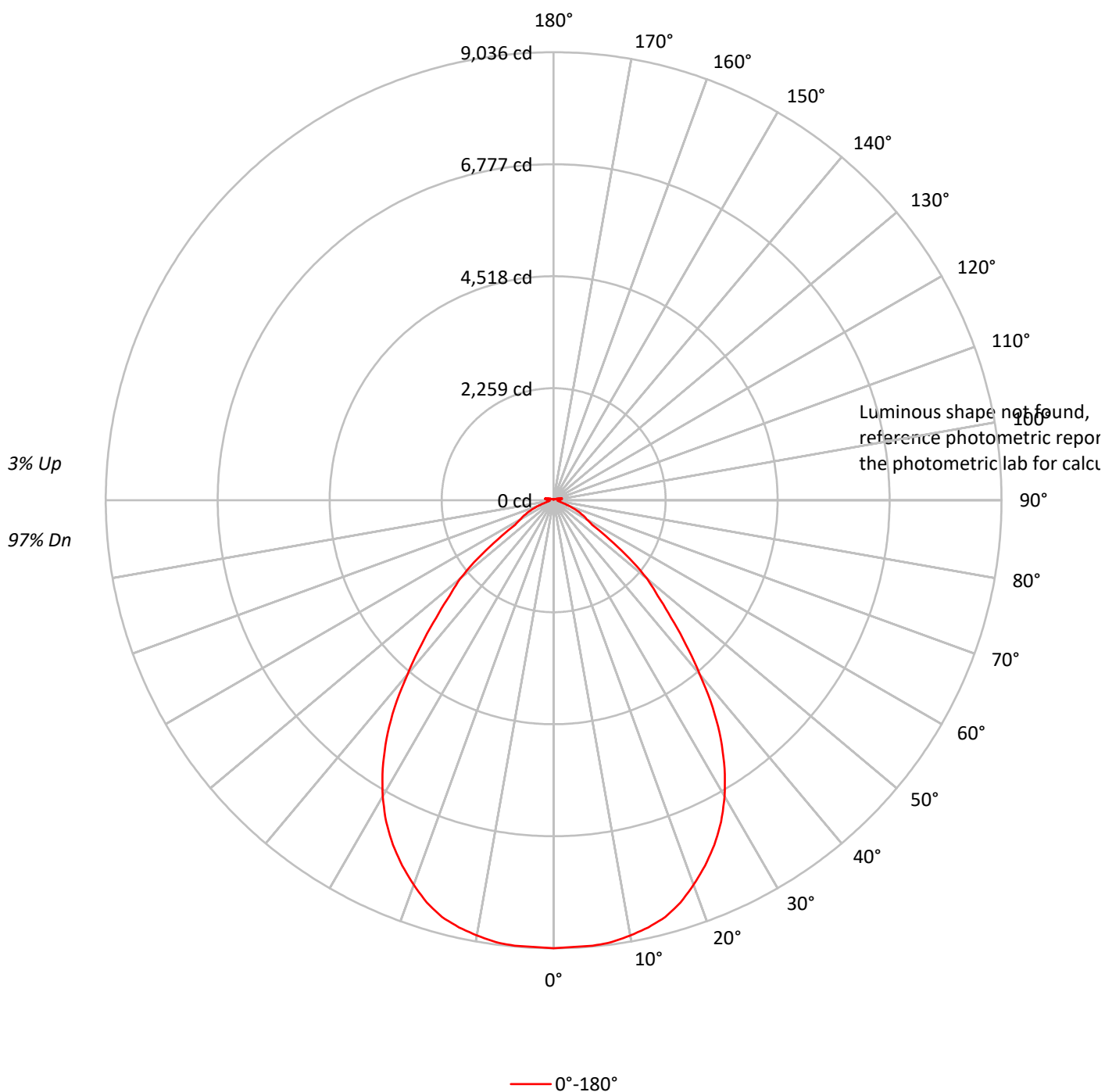
Lumens per Lamp: N/A
Luminaire Lumens: 15670.6 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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			
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	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77		
3	96	88	82	77	94	86	80	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	87	79	72	67	76	70	66	73	69	65	71	67	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	60	49	42	37	47	41	37	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°	857.7	5.5
10°-20°	2444.0	15.6
20°-30°	3515.6	22.4
30°-40°	3634.7	23.2
40°-50°	2622.9	16.7
50°-60°	1293.3	8.3
60°-70°	550.7	3.5
70°-80°	184.6	1.2
80°-90°	93.2	0.6
90°-100°	154.9	1.0
100°-110°	158.9	1.0
110°-120°	76.5	0.5
120°-130°	29.6	0.2
130°-140°	19.4	0.1
140°-150°	15.7	0.1
150°-160°	11.2	0.1
160°-170°	6.1	0.0
170°-180°	1.7	0.0
0°-30°	6817.3	43.5
0°-40°	10452.0	66.7
0°-60°	14368.2	91.7
0°-90°	15196.7	97.0
90°-120°	390.3	2.5
90°-150°	455.0	2.9
90°-180°	474.0	3.0
0°-180°	15670.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9036	
5°	9020	858
15°	8702	2444
25°	7669	3516
35°	5881	3635
45°	3353	2623
55°	1371	1293
65°	569	551
75°	155	185
85°	78	69
90°	95	54
95°	146	126
105°	154	159
115°	75	76
125°	31	30
135°	25	19
145°	25	16
155°	25	11
165°	22	6
175°	17	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9036.3
2.5°	9016.9
5°	9020.0
7.5°	8989.2
10°	8913.4
12.5°	8824.2
15°	8702.3
17.5°	8508.6
20°	8254.5
22.5°	7977.8
25°	7669.3
27.5°	7315.8
30°	6896.6
32.5°	6420.1
35°	5881.1
37.5°	5278.5
40°	4588.9
42.5°	3946.4
45°	3353.0
47.5°	2842.7
50°	2457.4
52.5°	1930.7
55°	1371.1
57.5°	918.2
60°	774.7
62.5°	672.2
65°	568.7
67.5°	443.7
70°	317.7
72.5°	215.2
75°	154.7
77.5°	123.0
80°	98.4
82.5°	84.0
85°	77.9
87.5°	83.0
90°	95.3
92.5°	118.9
95°	146.5
97.5°	168.1
100°	174.2
102.5°	168.1
105°	153.7
107.5°	134.2
110°	113.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	93.3
115°	74.8
117.5°	58.4
120°	46.1
122.5°	36.9
125°	30.7
127.5°	27.7
130°	25.6
132.5°	24.6
135°	24.6
137.5°	25.6
140°	25.6
142.5°	25.6
145°	24.6
147.5°	24.6
150°	24.6
152.5°	24.6
155°	24.6
157.5°	23.6
160°	23.6
162.5°	22.5
165°	21.5
167.5°	19.5
170°	18.4
172.5°	17.4
175°	17.4
177.5°	18.4
180°	18.4

(END OF REPORT)