

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: P1504621

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504621
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

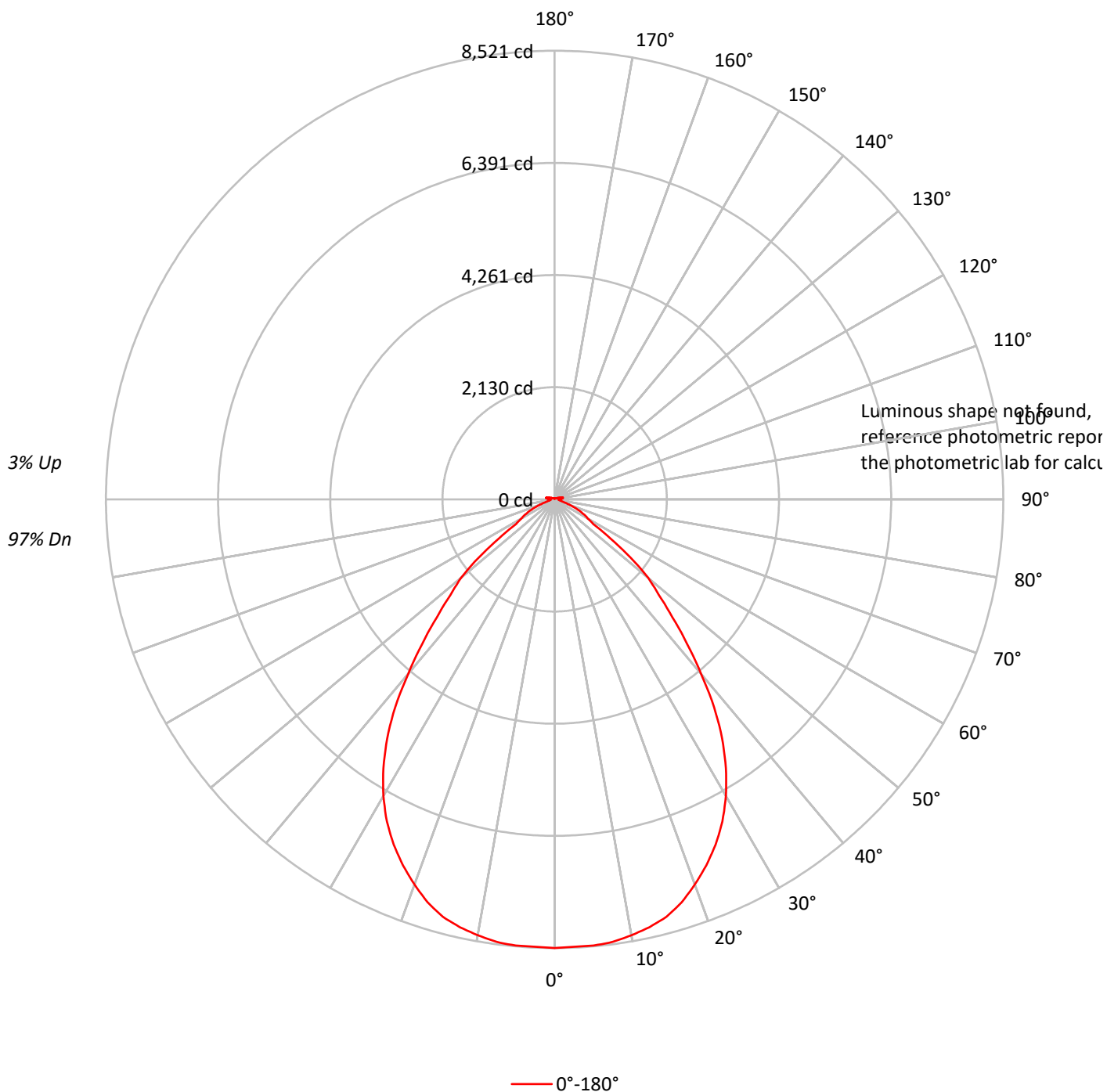
Lumens per Lamp: N/A
Luminaire Lumens: 14777.6 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.3
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°	808.8	5.5
10°-20°	2304.7	15.6
20°-30°	3315.2	22.4
30°-40°	3427.5	23.2
40°-50°	2473.4	16.7
50°-60°	1219.6	8.3
60°-70°	519.3	3.5
70°-80°	174.1	1.2
80°-90°	87.9	0.6
90°-100°	146.1	1.0
100°-110°	149.9	1.0
110°-120°	72.1	0.5
120°-130°	27.9	0.2
130°-140°	18.3	0.1
140°-150°	14.8	0.1
150°-160°	10.6	0.1
160°-170°	5.7	0.0
170°-180°	1.6	0.0
0°-30°	6428.7	43.5
0°-40°	9856.3	66.7
0°-60°	13549.3	91.7
0°-90°	14330.5	97.0
90°-120°	368.1	2.5
90°-150°	429.2	2.9
90°-180°	447.0	3.0
0°-180°	14777.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8521	
5°	8506	809
15°	8206	2305
25°	7232	3315
35°	5546	3428
45°	3162	2473
55°	1293	1220
65°	536	519
75°	146	174
85°	73	65
90°	90	51
95°	138	118
105°	145	150
115°	70	72
125°	29	28
135°	23	18
145°	23	15
155°	23	11
165°	20	6
175°	16	2
180°	17	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8521.3
2.5°	8503.0
5°	8505.9
7.5°	8476.9
10°	8405.4
12.5°	8321.3
15°	8206.3
17.5°	8023.7
20°	7784.0
22.5°	7523.1
25°	7232.2
27.5°	6898.8
30°	6503.6
32.5°	6054.2
35°	5545.9
37.5°	4977.7
40°	4327.3
42.5°	3721.4
45°	3161.9
47.5°	2680.7
50°	2317.3
52.5°	1820.6
55°	1293.0
57.5°	865.9
60°	730.6
62.5°	633.9
65°	536.3
67.5°	418.4
70°	299.6
72.5°	202.9
75°	145.9
77.5°	116.0
80°	92.8
82.5°	79.2
85°	73.4
87.5°	78.3
90°	89.9
92.5°	112.1
95°	138.2
97.5°	158.5
100°	164.3
102.5°	158.5
105°	145.0
107.5°	126.6
110°	107.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	87.9
115°	70.5
117.5°	55.1
120°	43.5
122.5°	34.8
125°	29.0
127.5°	26.1
130°	24.2
132.5°	23.2
135°	23.2
137.5°	24.2
140°	24.2
142.5°	24.2
145°	23.2
147.5°	23.2
150°	23.2
152.5°	23.2
155°	23.2
157.5°	22.2
160°	22.2
162.5°	21.3
165°	20.3
167.5°	18.4
170°	17.4
172.5°	16.4
175°	16.4
177.5°	17.4
180°	17.4

(END OF REPORT)