

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: P1504660

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (6500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504660
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 (6500K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

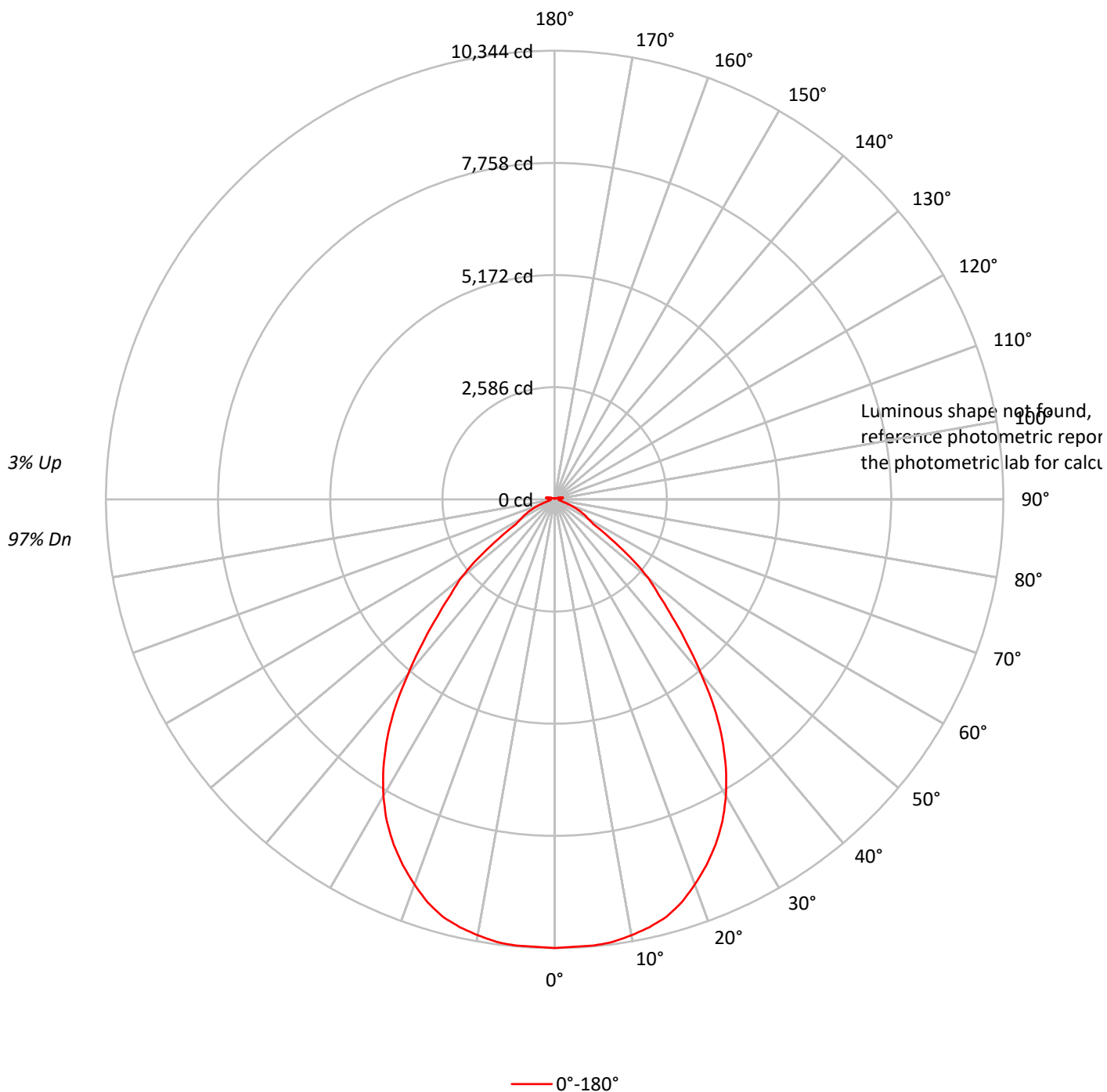
Lumens per Lamp: N/A
Luminaire Lumens: 17939.3 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 123.3
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	50	30	10
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°	981.9	5.5
10°-20°	2797.8	15.6
20°-30°	4024.5	22.4
30°-40°	4160.9	23.2
40°-50°	3002.5	16.7
50°-60°	1480.5	8.3
60°-70°	630.5	3.5
70°-80°	211.3	1.2
80°-90°	106.7	0.6
90°-100°	177.3	1.0
100°-110°	182.0	1.0
110°-120°	87.5	0.5
120°-130°	33.9	0.2
130°-140°	22.3	0.1
140°-150°	18.0	0.1
150°-160°	12.9	0.1
160°-170°	6.9	0.0
170°-180°	1.9	0.0
0°-30°	7804.1	43.5
0°-40°	11965.0	66.7
0°-60°	16448.1	91.7
0°-90°	17396.6	97.0
90°-120°	446.8	2.5
90°-150°	520.9	2.9
90°-180°	543.0	3.0
0°-180°	17939.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10344	
5°	10326	982
15°	9962	2798
25°	8780	4025
35°	6732	4161
45°	3838	3003
55°	1570	1481
65°	651	630
75°	177	211
85°	89	79
90°	109	62
95°	168	144
105°	176	182
115°	86	88
125°	35	34
135°	28	22
145°	28	18
155°	28	13
165°	25	7
175°	20	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10344.5
2.5°	10322.2
5°	10325.7
7.5°	10290.5
10°	10203.7
12.5°	10101.6
15°	9962.0
17.5°	9740.3
20°	9449.4
22.5°	9132.6
25°	8779.5
27.5°	8374.8
30°	7895.0
32.5°	7349.5
35°	6732.5
37.5°	6042.7
40°	5253.2
42.5°	4517.6
45°	3838.4
47.5°	3254.2
50°	2813.1
52.5°	2210.1
55°	1569.6
57.5°	1051.1
60°	886.9
62.5°	769.6
65°	651.1
67.5°	508.0
70°	363.7
72.5°	246.4
75°	177.1
77.5°	140.8
80°	112.6
82.5°	96.2
85°	89.2
87.5°	95.0
90°	109.1
92.5°	136.1
95°	167.8
97.5°	192.4
100°	199.4
102.5°	192.4
105°	176.0
107.5°	153.7
110°	130.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	106.8
115°	85.6
117.5°	66.9
120°	52.8
122.5°	42.2
125°	35.2
127.5°	31.7
130°	29.3
132.5°	28.2
135°	28.2
137.5°	29.3
140°	29.3
142.5°	29.3
145°	28.2
147.5°	28.2
150°	28.2
152.5°	28.2
155°	28.2
157.5°	27.0
160°	27.0
162.5°	25.8
165°	24.6
167.5°	22.3
170°	21.1
172.5°	19.9
175°	19.9
177.5°	21.1
180°	21.1

(END OF REPORT)