

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: P1504646

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504646
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-31)
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_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

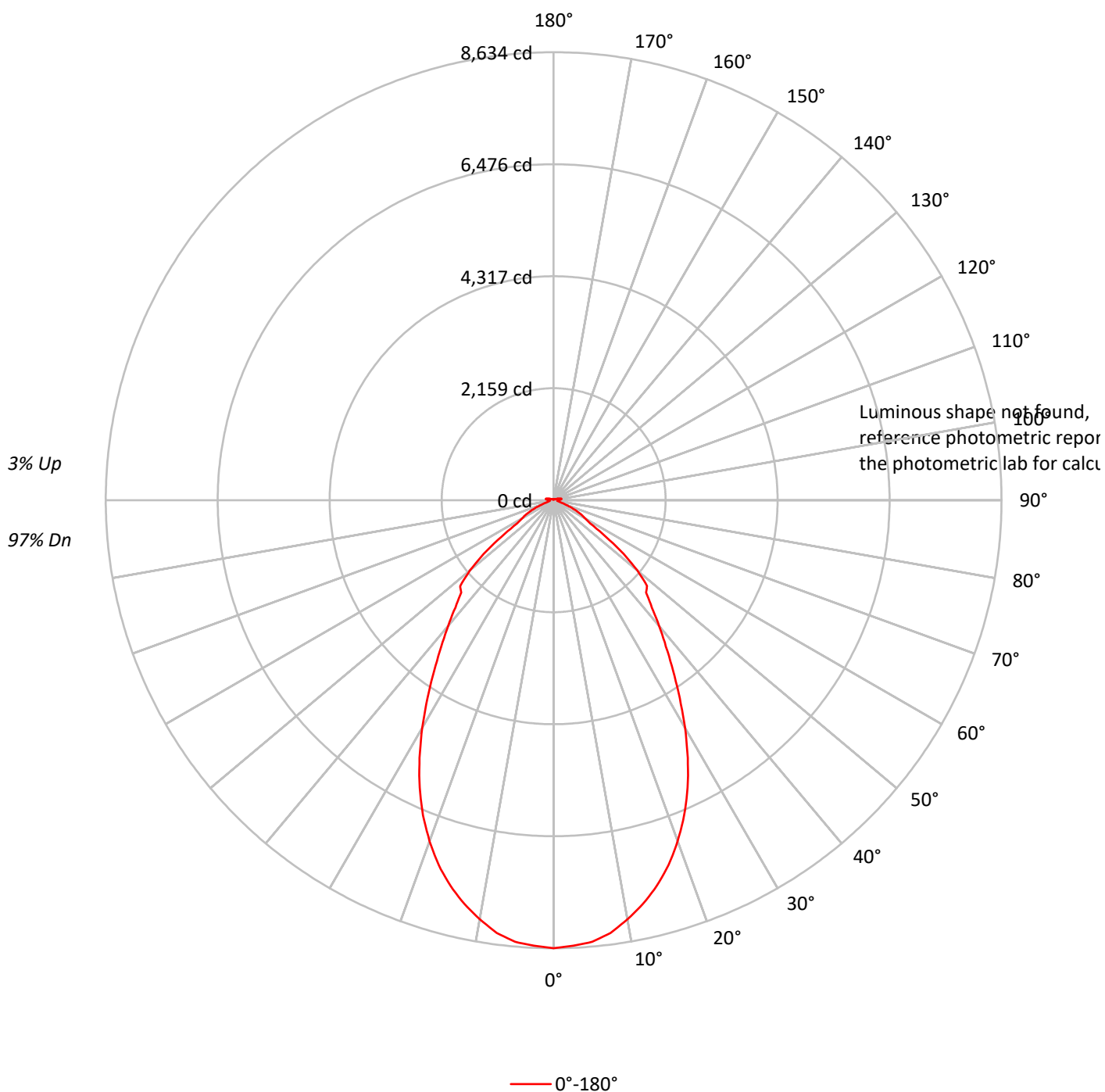
Lumens per Lamp: N/A
Luminaire Lumens: 12509.6 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.1
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	85	82	84	82	80	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	42		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	804.4	6.4
10°-20°	2152.9	17.2
20°-30°	2787.1	22.3
30°-40°	2520.9	20.2
40°-50°	2003.0	16.0
50°-60°	1145.0	9.2
60°-70°	471.5	3.8
70°-80°	139.0	1.1
80°-90°	81.1	0.6
90°-100°	140.8	1.1
100°-110°	136.8	1.1
110°-120°	62.5	0.5
120°-130°	23.1	0.2
130°-140°	14.8	0.1
140°-150°	12.0	0.1
150°-160°	8.6	0.1
160°-170°	4.8	0.0
170°-180°	1.4	0.0
0°-30°	5744.4	45.9
0°-40°	8265.3	66.1
0°-60°	11413.3	91.2
0°-90°	12104.8	96.8
90°-120°	340.0	2.7
90°-150°	389.9	3.1
90°-180°	405.0	3.2
0°-180°	12509.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8634	
5°	8542	804
15°	7691	2153
25°	6111	2787
35°	4011	2521
45°	2516	2003
55°	1226	1145
65°	484	471
75°	117	139
85°	68	59
90°	89	50
95°	134	113
105°	131	137
115°	60	62
125°	24	23
135°	19	15
145°	19	12
155°	19	9
165°	17	5
175°	14	1
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8633.6
2.5°	8591.8
5°	8542.4
7.5°	8409.6
10°	8200.9
12.5°	7965.8
15°	7690.8
17.5°	7372.2
20°	6990.7
22.5°	6575.9
25°	6110.9
27.5°	5599.0
30°	5062.4
32.5°	4522.5
35°	4010.6
37.5°	3555.8
40°	3161.5
42.5°	2802.9
45°	2515.9
47.5°	2444.3
50°	2103.7
52.5°	1695.7
55°	1226.4
57.5°	836.4
60°	706.1
62.5°	598.7
65°	483.8
67.5°	357.7
70°	237.6
72.5°	155.9
75°	116.7
77.5°	96.2
80°	80.1
82.5°	69.8
85°	68.1
87.5°	74.9
90°	88.6
92.5°	110.7
95°	133.7
97.5°	150.7
100°	154.2
102.5°	146.5
105°	131.2
107.5°	114.1
110°	94.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	77.5
115°	60.5
117.5°	46.8
120°	36.6
122.5°	29.0
125°	23.8
127.5°	21.3
130°	19.6
132.5°	18.7
135°	18.7
137.5°	19.6
140°	19.6
142.5°	19.6
145°	18.7
147.5°	18.7
150°	18.7
152.5°	18.7
155°	18.7
157.5°	18.7
160°	17.9
162.5°	17.9
165°	17.0
167.5°	16.2
170°	15.3
172.5°	15.3
175°	14.5
177.5°	15.3
180°	15.3

(END OF REPORT)