

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: P1504634

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504634
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 (3500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

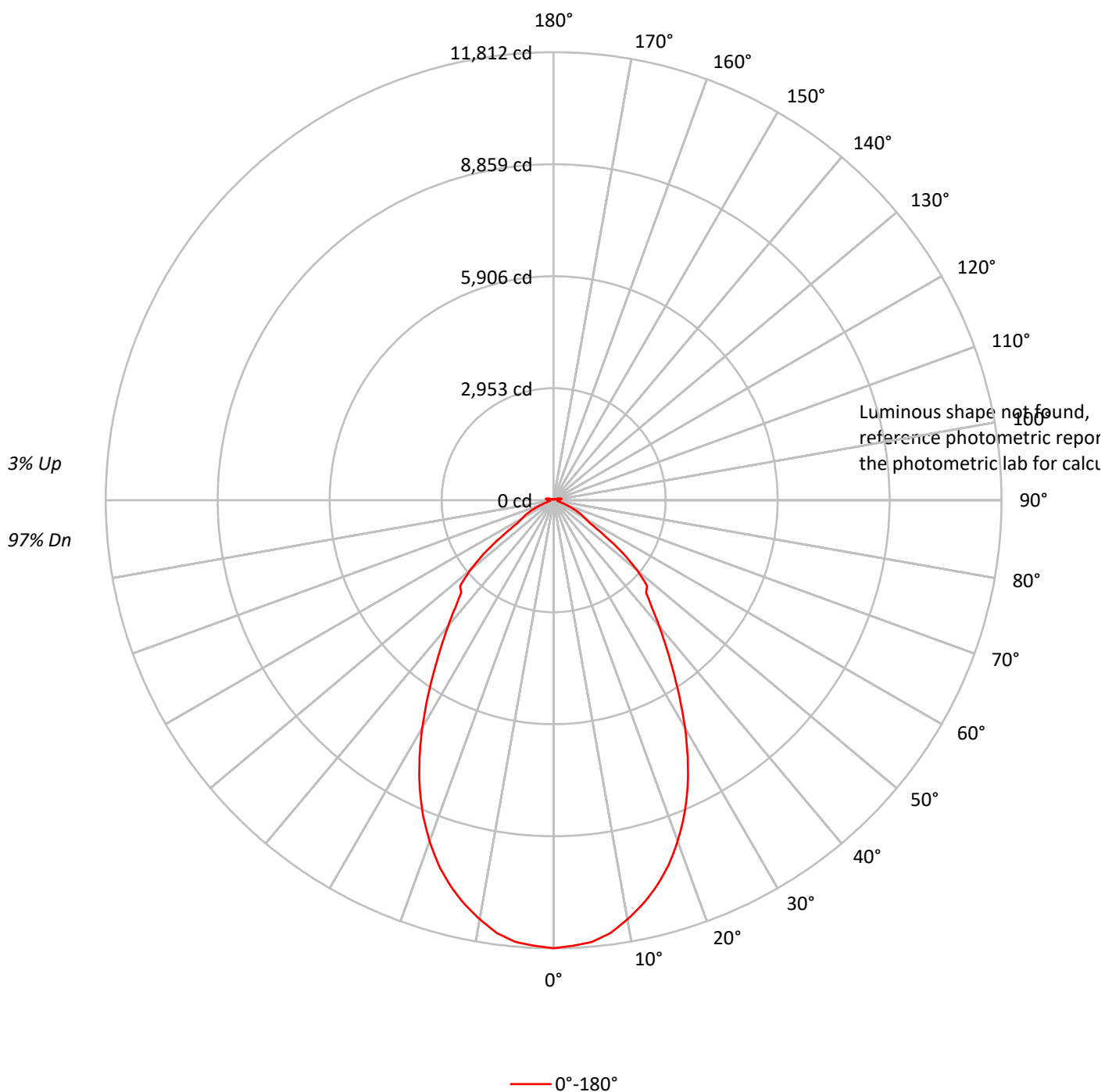
Lumens per Lamp: N/A
Luminaire Lumens: 17114.6 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.7
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	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	97			
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	89	89	89	89	87			
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	80	80	80	80	77			
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	71	71	71	71	69			
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	61	58	58	58	58	58	56			
6	79	68	60	55	77	67	60	55	65	58	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	46			
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	44	44	44	44	42			
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	41	41	41	41	39			
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	38	38	38	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°	1100.5	6.4
10°-20°	2945.5	17.2
20°-30°	3813.1	22.3
30°-40°	3448.9	20.2
40°-50°	2740.3	16.0
50°-60°	1566.5	9.2
60°-70°	645.0	3.8
70°-80°	190.1	1.1
80°-90°	110.9	0.6
90°-100°	192.6	1.1
100°-110°	187.1	1.1
110°-120°	85.5	0.5
120°-130°	31.5	0.2
130°-140°	20.3	0.1
140°-150°	16.4	0.1
150°-160°	11.8	0.1
160°-170°	6.6	0.0
170°-180°	2.0	0.0
0°-30°	7859.1	45.9
0°-40°	11308.0	66.1
0°-60°	15614.8	91.2
0°-90°	16560.9	96.8
90°-120°	465.2	2.7
90°-150°	533.4	3.1
90°-180°	554.0	3.2
0°-180°	17114.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11812	
5°	11687	###
15°	10522	2945
25°	8360	3813
35°	5487	3449
45°	3442	2740
55°	1678	1566
65°	662	645
75°	160	190
85°	93	80
90°	121	68
95°	183	155
105°	179	187
115°	83	86
125°	33	32
135°	26	20
145°	26	16
155°	26	12
165°	23	7
175°	20	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11811.8
2.5°	11754.7
5°	11687.1
7.5°	11505.4
10°	11219.9
12.5°	10898.3
15°	10521.9
17.5°	10086.1
20°	9564.1
22.5°	8996.6
25°	8360.4
27.5°	7660.1
30°	6926.1
32.5°	6187.3
35°	5487.0
37.5°	4864.8
40°	4325.3
42.5°	3834.7
45°	3442.1
47.5°	3344.2
50°	2878.1
52.5°	2319.9
55°	1677.9
57.5°	1144.2
60°	966.0
62.5°	819.1
65°	661.8
67.5°	489.4
70°	325.1
72.5°	213.2
75°	159.6
77.5°	131.7
80°	109.5
82.5°	95.5
85°	93.2
87.5°	102.5
90°	121.2
92.5°	151.5
95°	182.9
97.5°	206.2
100°	210.9
102.5°	200.4
105°	179.4
107.5°	156.1
110°	129.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	106.0
115°	82.7
117.5°	64.1
120°	50.1
122.5°	39.6
125°	32.6
127.5°	29.1
130°	26.8
132.5°	25.6
135°	25.6
137.5°	26.8
140°	26.8
142.5°	26.8
145°	25.6
147.5°	25.6
150°	25.6
152.5°	25.6
155°	25.6
157.5°	25.6
160°	24.5
162.5°	24.5
165°	23.3
167.5°	22.1
170°	21.0
172.5°	21.0
175°	19.8
177.5°	21.0
180°	21.0

(END OF REPORT)