

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: P1504670

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504670
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-37)
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-TRWH-PS (3000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

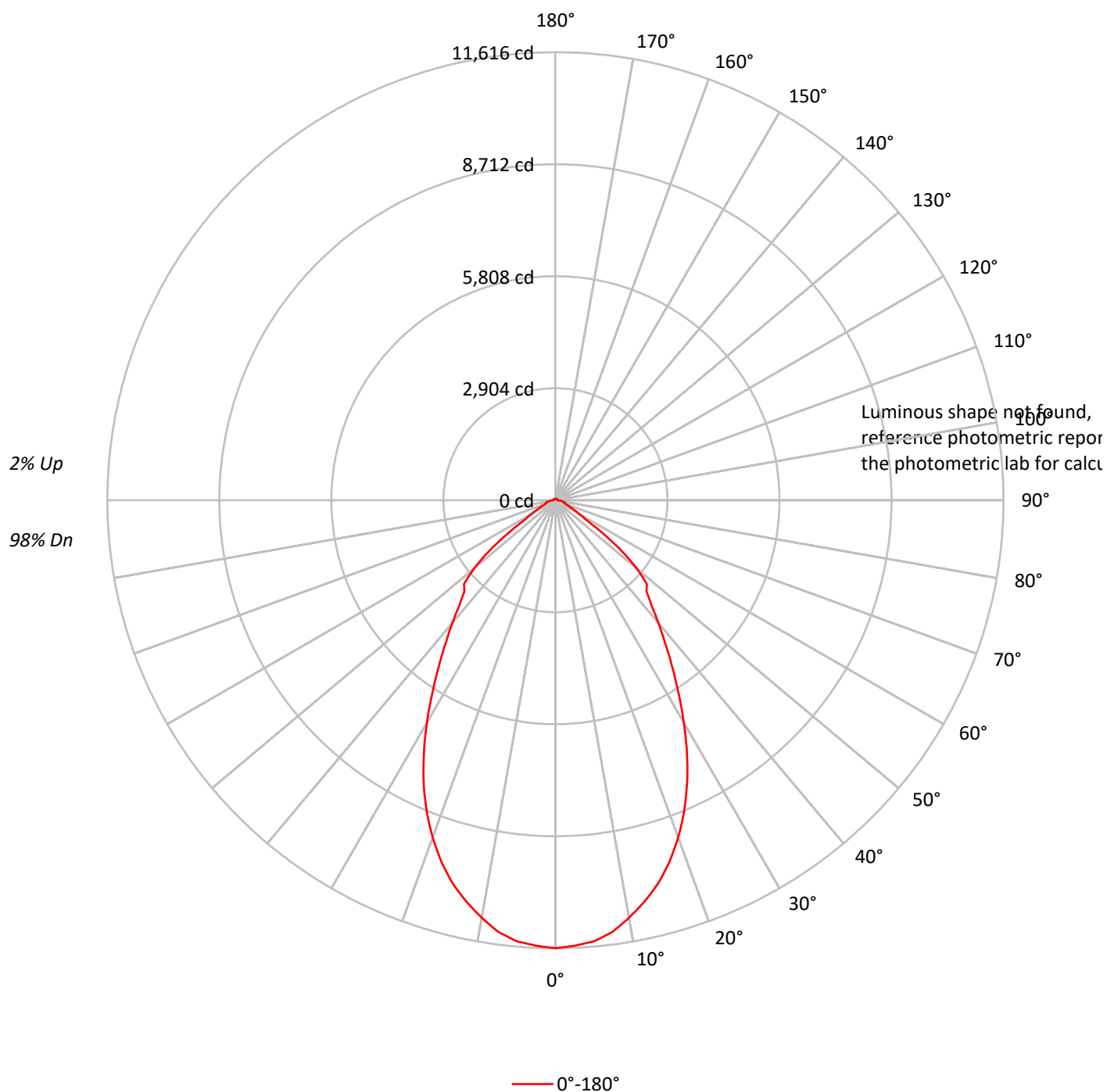
Lumens per Lamp: N/A
Luminaire Lumens: 16122.4 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 122.9
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



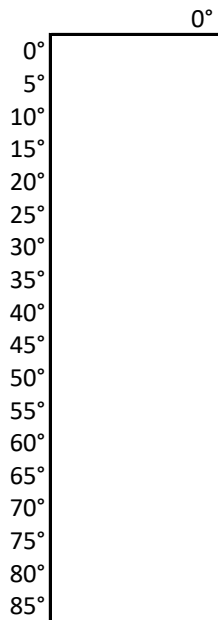
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	105	102	108	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72	71		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59	57		
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54	52		
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1080.2	6.7
10°-20°	2876.3	17.8
20°-30°	3687.2	22.9
30°-40°	3313.9	20.6
40°-50°	2633.9	16.3
50°-60°	1403.2	8.7
60°-70°	446.7	2.8
70°-80°	253.1	1.6
80°-90°	132.0	0.8
90°-100°	52.5	0.3
100°-110°	52.4	0.3
110°-120°	49.5	0.3
120°-130°	43.7	0.3
130°-140°	36.4	0.2
140°-150°	28.7	0.2
150°-160°	19.5	0.1
160°-170°	10.2	0.1
170°-180°	2.9	0.0
0°-30°	7643.7	47.4
0°-40°	10957.6	68.0
0°-60°	14994.7	93.0
0°-90°	15826.5	98.2
90°-120°	154.5	1.0
90°-150°	263.2	1.6
90°-180°	296.0	1.8
0°-180°	16122.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11616	
5°	11479	###
15°	10285	2876
25°	8082	3687
35°	5275	3314
45°	3338	2634
55°	1516	1403
65°	422	447
75°	242	253
85°	121	114
90°	48	31
95°	48	39
105°	49	52
115°	49	49
125°	48	44
135°	47	36
145°	46	29
155°	42	20
165°	36	10
175°	29	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11615.6
2.5°	11559.5
5°	11478.6
7.5°	11292.1
10°	10991.0
12.5°	10660.7
15°	10285.4
17.5°	9832.7
20°	9306.9
22.5°	8724.9
25°	8082.3
27.5°	7384.6
30°	6660.0
32.5°	5943.2
35°	5274.7
37.5°	4675.9
40°	4147.9
42.5°	3671.5
45°	3337.8
47.5°	3212.0
50°	2749.1
52.5°	2173.9
55°	1515.6
57.5°	921.3
60°	712.3
62.5°	553.9
65°	422.4
67.5°	335.9
70°	285.4
72.5°	256.2
75°	241.5
77.5°	221.3
80°	193.2
82.5°	159.5
85°	121.3
87.5°	83.1
90°	48.3
92.5°	47.2
95°	48.3
97.5°	48.3
100°	49.4
102.5°	49.4
105°	49.4
107.5°	49.4
110°	50.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.6
115°	49.4
117.5°	49.4
120°	49.4
122.5°	49.4
125°	48.3
127.5°	48.3
130°	48.3
132.5°	47.2
135°	47.2
137.5°	46.1
140°	46.1
142.5°	46.1
145°	46.1
147.5°	44.9
150°	44.9
152.5°	43.8
155°	41.6
157.5°	40.4
160°	39.3
162.5°	37.1
165°	36.0
167.5°	33.7
170°	32.6
172.5°	30.3
175°	29.2
177.5°	29.2
180°	29.2

(END OF REPORT)