

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: P1504625

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504625
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

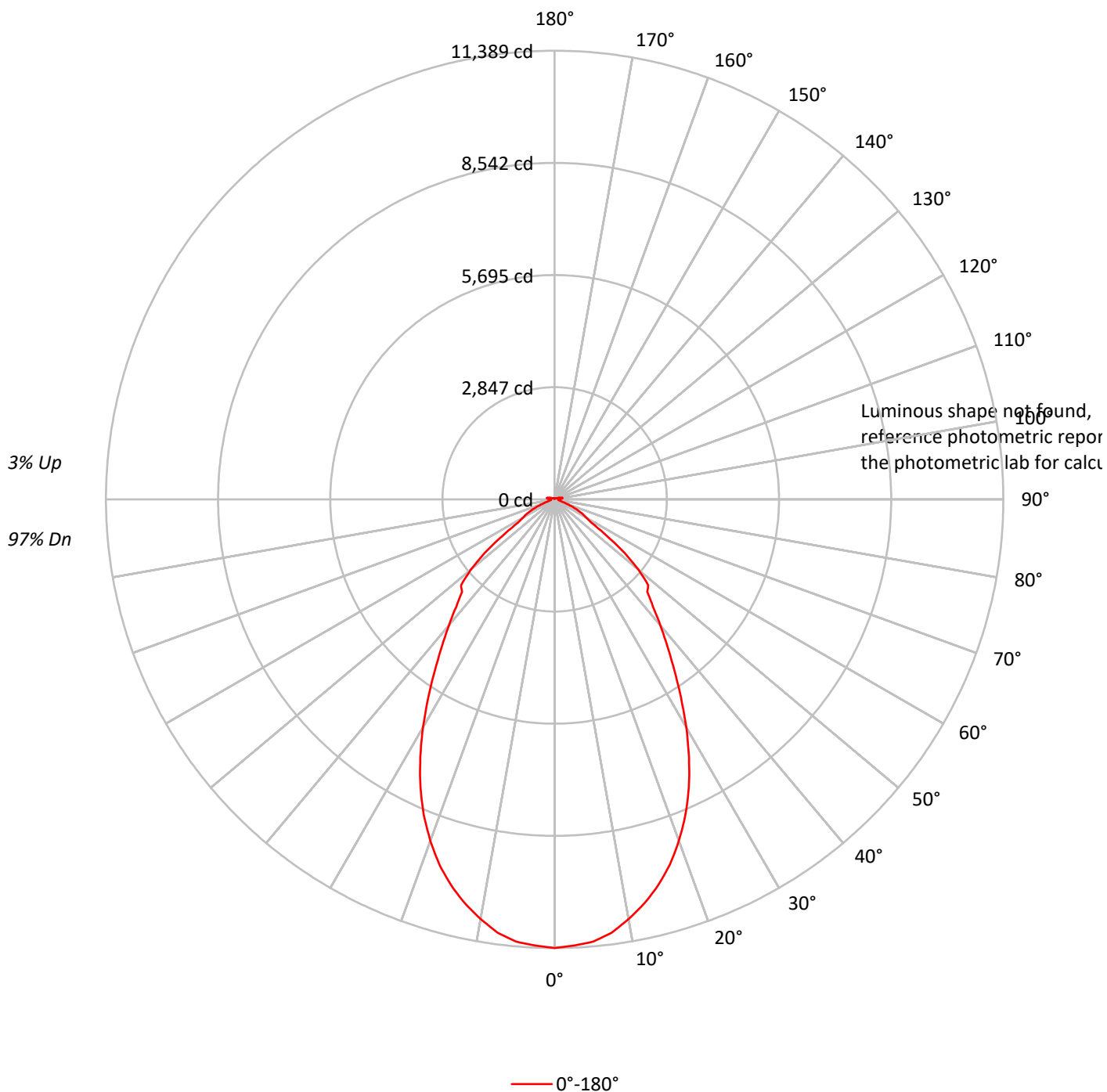
Lumens per Lamp: N/A
Luminaire Lumens: 16501.7 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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	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°	1061.1	6.4
10°-20°	2840.0	17.2
20°-30°	3676.5	22.3
30°-40°	3325.4	20.2
40°-50°	2642.2	16.0
50°-60°	1510.4	9.2
60°-70°	622.0	3.8
70°-80°	183.3	1.1
80°-90°	107.0	0.6
90°-100°	185.8	1.1
100°-110°	180.3	1.1
110°-120°	82.5	0.5
120°-130°	30.4	0.2
130°-140°	19.5	0.1
140°-150°	15.8	0.1
150°-160°	11.4	0.1
160°-170°	6.4	0.0
170°-180°	1.9	0.0
0°-30°	7577.6	45.9
0°-40°	10902.9	66.1
0°-60°	15055.4	91.2
0°-90°	15967.7	96.8
90°-120°	448.6	2.7
90°-150°	514.3	3.1
90°-180°	534.0	3.2
0°-180°	16501.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11389	
5°	11268	###
15°	10145	2840
25°	8061	3676
35°	5290	3325
45°	3319	2642
55°	1618	1510
65°	638	622
75°	154	183
85°	90	77
90°	117	66
95°	176	150
105°	173	180
115°	80	82
125°	32	30
135°	25	20
145°	25	16
155°	25	11
165°	22	6
175°	19	2
180°	20	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11388.7
2.5°	11333.6
5°	11268.5
7.5°	11093.2
10°	10818.0
12.5°	10507.9
15°	10145.0
17.5°	9724.8
20°	9221.5
22.5°	8674.4
25°	8060.9
27.5°	7385.7
30°	6677.9
32.5°	5965.7
35°	5290.5
37.5°	4690.5
40°	4170.3
42.5°	3697.4
45°	3318.7
47.5°	3224.4
50°	2775.0
52.5°	2236.8
55°	1617.8
57.5°	1103.3
60°	931.4
62.5°	789.8
65°	638.1
67.5°	471.9
70°	313.4
72.5°	205.6
75°	153.9
77.5°	127.0
80°	105.6
82.5°	92.1
85°	89.9
87.5°	98.9
90°	116.8
92.5°	146.1
95°	176.4
97.5°	198.9
100°	203.3
102.5°	193.2
105°	173.0
107.5°	150.5
110°	124.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	102.2
115°	79.8
117.5°	61.8
120°	48.3
122.5°	38.2
125°	31.5
127.5°	28.1
130°	25.8
132.5°	24.7
135°	24.7
137.5°	25.8
140°	25.8
142.5°	25.8
145°	24.7
147.5°	24.7
150°	24.7
152.5°	24.7
155°	24.7
157.5°	24.7
160°	23.6
162.5°	23.6
165°	22.5
167.5°	21.3
170°	20.2
172.5°	20.2
175°	19.1
177.5°	20.2
180°	20.2

(END OF REPORT)