

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: P1504642

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504642
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

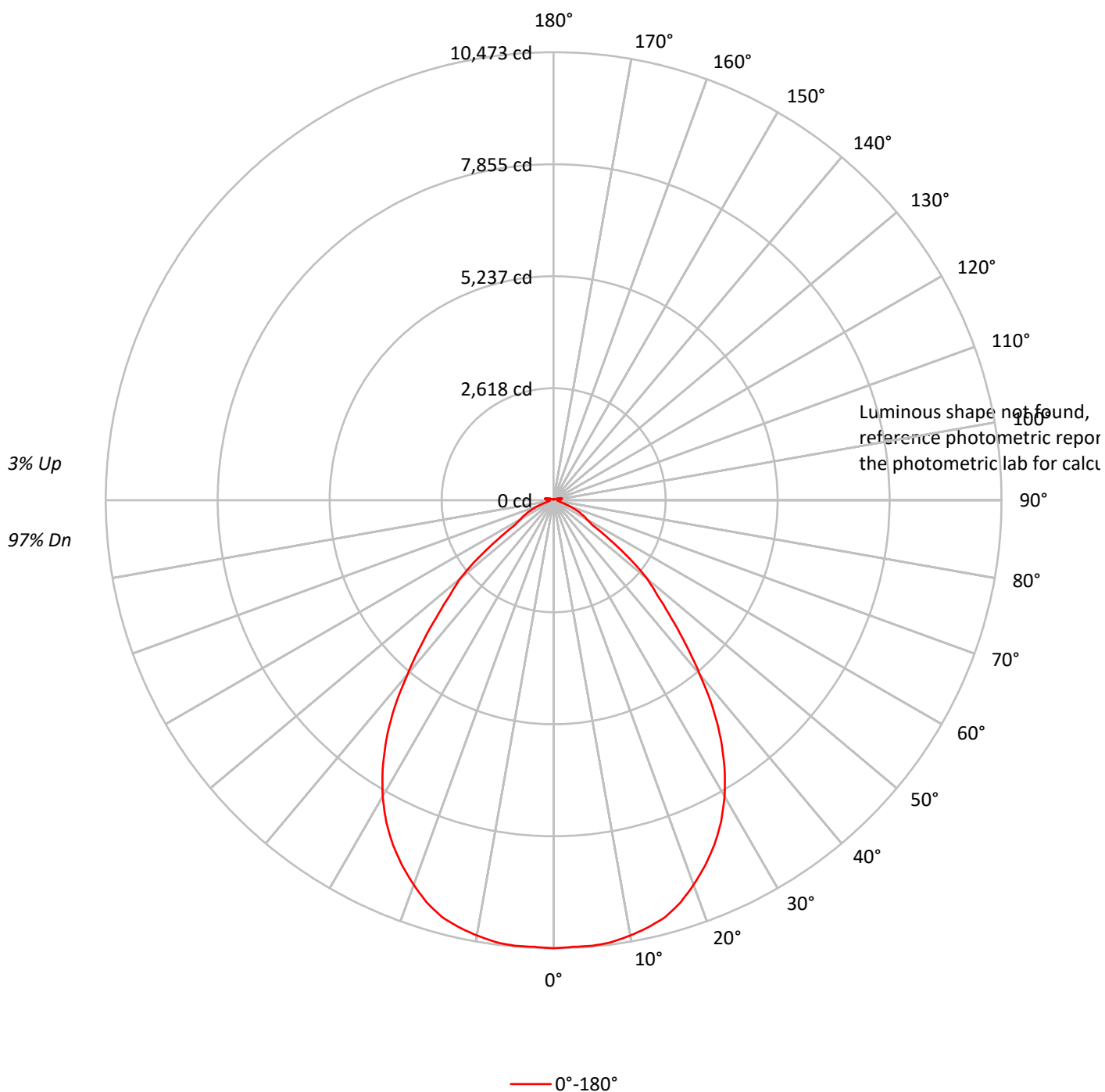
Lumens per Lamp: N/A
Luminaire Lumens: 18162.0 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 119.3
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





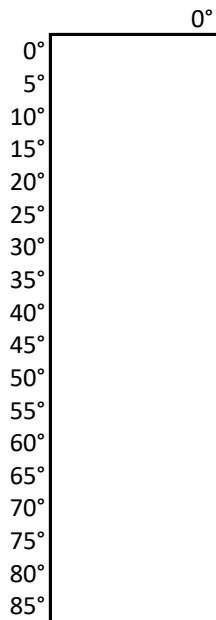
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	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°	994.0	5.5
10°-20°	2832.5	15.6
20°-30°	4074.5	22.4
30°-40°	4212.5	23.2
40°-50°	3039.8	16.7
50°-60°	1498.9	8.3
60°-70°	638.3	3.5
70°-80°	213.9	1.2
80°-90°	108.0	0.6
90°-100°	179.5	1.0
100°-110°	184.2	1.0
110°-120°	88.6	0.5
120°-130°	34.3	0.2
130°-140°	22.5	0.1
140°-150°	18.2	0.1
150°-160°	13.0	0.1
160°-170°	7.0	0.0
170°-180°	2.0	0.0
0°-30°	7901.0	43.5
0°-40°	12113.6	66.7
0°-60°	16652.3	91.7
0°-90°	17612.6	97.0
90°-120°	452.4	2.5
90°-150°	527.4	2.9
90°-180°	549.0	3.0
0°-180°	18162.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10473	
5°	10454	994
15°	10086	2833
25°	8888	4074
35°	6816	4213
45°	3886	3040
55°	1589	1499
65°	659	638
75°	179	214
85°	90	80
90°	110	62
95°	170	145
105°	178	184
115°	87	89
125°	36	34
135°	28	23
145°	28	18
155°	28	13
165°	25	7
175°	20	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10472.9
2.5°	10450.3
5°	10453.9
7.5°	10418.3
10°	10330.4
12.5°	10227.0
15°	10085.7
17.5°	9861.2
20°	9566.7
22.5°	9246.0
25°	8888.5
27.5°	8478.8
30°	7993.0
32.5°	7440.8
35°	6816.0
37.5°	6117.7
40°	5318.4
42.5°	4573.7
45°	3886.1
47.5°	3294.6
50°	2848.0
52.5°	2237.6
55°	1589.1
57.5°	1064.2
60°	897.9
62.5°	779.1
65°	659.2
67.5°	514.3
70°	368.2
72.5°	249.4
75°	179.3
77.5°	142.5
80°	114.0
82.5°	97.4
85°	90.3
87.5°	96.2
90°	110.5
92.5°	137.8
95°	169.8
97.5°	194.8
100°	201.9
102.5°	194.8
105°	178.2
107.5°	155.6
110°	131.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.1
115°	86.7
117.5°	67.7
120°	53.4
122.5°	42.8
125°	35.6
127.5°	32.1
130°	29.7
132.5°	28.5
135°	28.5
137.5°	29.7
140°	29.7
142.5°	29.7
145°	28.5
147.5°	28.5
150°	28.5
152.5°	28.5
155°	28.5
157.5°	27.3
160°	27.3
162.5°	26.1
165°	24.9
167.5°	22.6
170°	21.4
172.5°	20.2
175°	20.2
177.5°	21.4
180°	21.4

(END OF REPORT)