

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: P1504680

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504680
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-39)
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 (3500K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

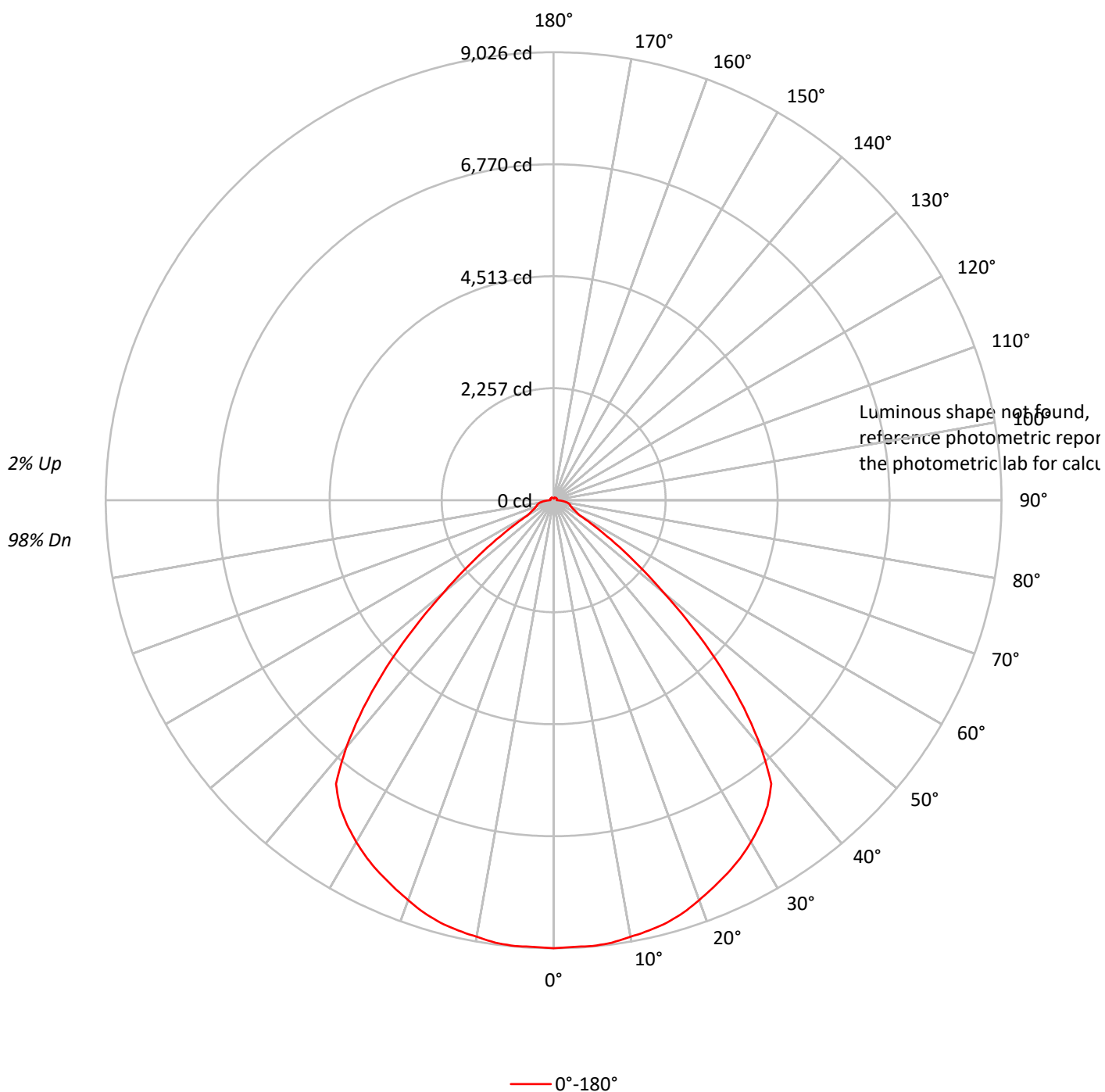
Lumens per Lamp: N/A
Luminaire Lumens: 18273.0 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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



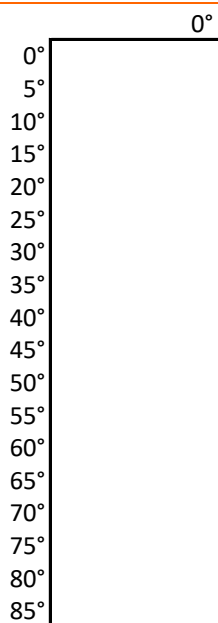
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100			98
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	91	89			87
2	103	97	91	87	100	95	90	86	91	87	83	87	84	81	84	81	79			77
3	96	87	81	76	93	86	80	75	83	77	73	80	75	72	77	73	70			68
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63			61
5	83	72	65	59	81	71	64	59	69	63	58	67	61	57	65	60	56			54
6	77	66	58	53	75	65	58	52	63	57	52	61	56	51	60	55	51			49
7	72	60	53	47	70	60	52	47	58	51	47	56	51	46	55	50	46			44
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	46	42			40
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38			36
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35			33

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	857.9	4.7
10°-20°	2486.3	13.6
20°-30°	3825.2	20.9
30°-40°	4648.2	25.4
40°-50°	3632.9	19.9
50°-60°	1408.7	7.7
60°-70°	459.0	2.5
70°-80°	353.3	1.9
80°-90°	196.7	1.1
90°-100°	72.6	0.4
100°-110°	72.5	0.4
110°-120°	68.1	0.4
120°-130°	60.3	0.3
130°-140°	50.0	0.3
140°-150°	38.8	0.2
150°-160°	25.9	0.1
160°-170°	13.0	0.1
170°-180°	3.6	0.0
0°-30°	7169.4	39.2
0°-40°	11817.6	64.7
0°-60°	16859.1	92.3
0°-90°	17868.2	97.8
90°-120°	213.2	1.2
90°-150°	362.3	2.0
90°-180°	405.0	2.2
0°-180°	18273.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9026	
5°	9014	858
15°	8814	2486
25°	8293	3825
35°	7517	4648
45°	4772	3633
55°	1509	1409
65°	451	459
75°	338	353
85°	185	171
90°	66	44
95°	66	55
105°	69	73
115°	69	68
125°	68	60
135°	64	50
145°	62	39
155°	56	26
165°	45	13
175°	36	4
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9025.8
2.5°	9007.1
5°	9014.1
7.5°	8992.0
10°	8930.2
12.5°	8880.1
15°	8813.7
17.5°	8710.0
20°	8573.7
22.5°	8433.8
25°	8292.9
27.5°	8137.9
30°	7952.6
32.5°	7747.5
35°	7516.8
37.5°	7204.5
40°	6506.6
42.5°	5678.1
45°	4771.6
47.5°	3813.8
50°	2893.2
52.5°	2141.7
55°	1509.0
57.5°	970.6
60°	602.4
62.5°	515.0
65°	450.9
67.5°	400.8
70°	375.2
72.5°	354.2
75°	337.9
77.5°	315.8
80°	283.1
82.5°	240.0
85°	185.3
87.5°	122.3
90°	66.4
92.5°	65.3
95°	66.4
97.5°	67.6
100°	67.6
102.5°	68.7
105°	68.7
107.5°	68.7
110°	68.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	68.7
115°	68.7
117.5°	68.7
120°	67.6
122.5°	67.6
125°	67.6
127.5°	66.4
130°	66.4
132.5°	65.3
135°	64.1
137.5°	64.1
140°	62.9
142.5°	62.9
145°	61.8
147.5°	60.6
150°	60.6
152.5°	58.3
155°	55.9
157.5°	52.4
160°	51.3
162.5°	47.8
165°	45.4
167.5°	43.1
170°	39.6
172.5°	37.3
175°	36.1
177.5°	36.1
180°	36.1

(END OF REPORT)