

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: P1504707

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504707
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

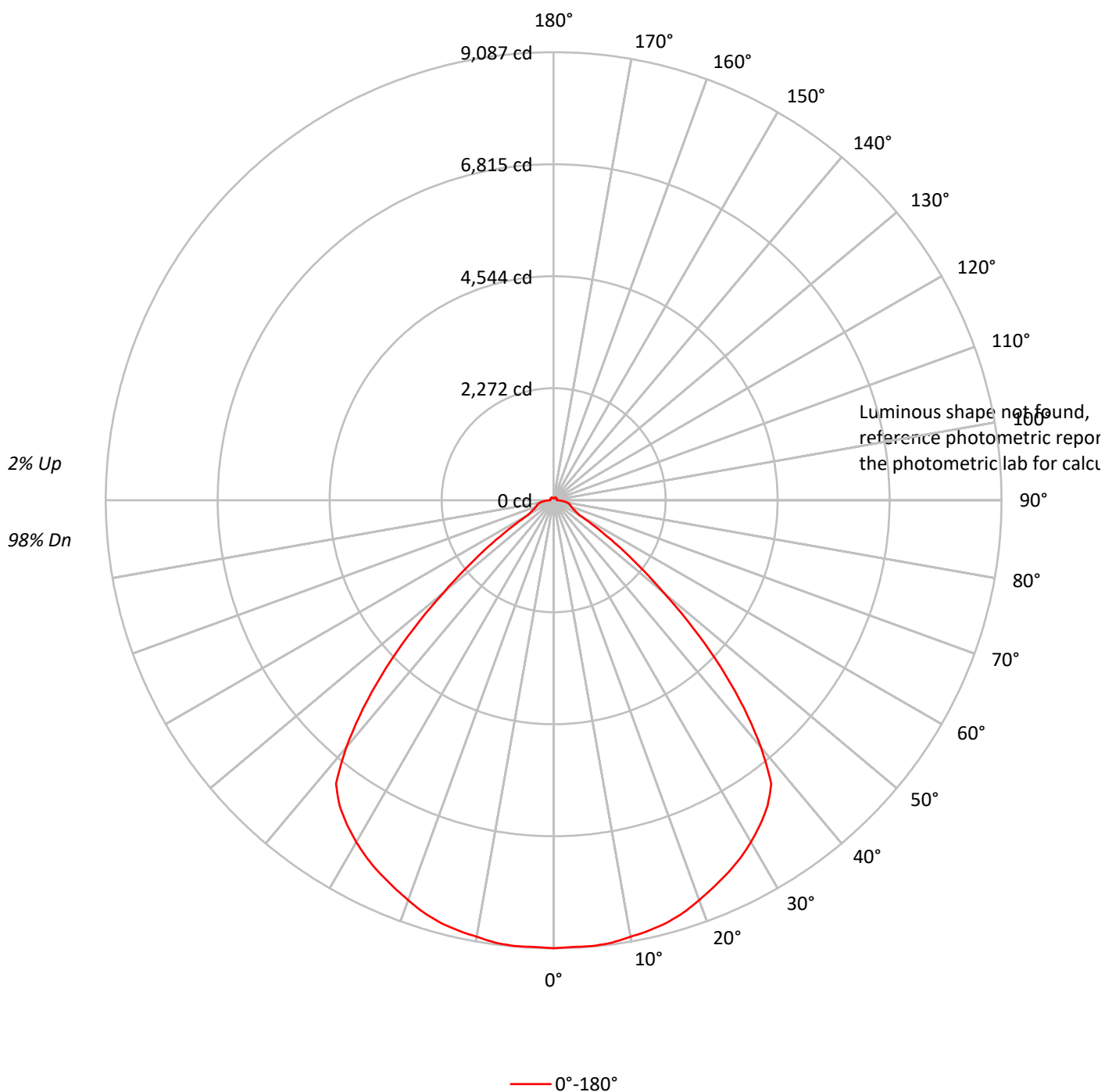
Lumens per Lamp: N/A
Luminaire Lumens: 18396.8 lumens
Efficiency: N/A
Efficacy: 149.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 123.3
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

TEST NUMBER: P1504707

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504707

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Wide_120V)

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: -

TEST NUMBER: P1504707

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	863.7	4.7
10°-20°	2503.2	13.6
20°-30°	3851.1	20.9
30°-40°	4679.7	25.4
40°-50°	3657.5	19.9
50°-60°	1418.2	7.7
60°-70°	462.1	2.5
70°-80°	355.7	1.9
80°-90°	198.1	1.1
90°-100°	73.1	0.4
100°-110°	73.0	0.4
110°-120°	68.5	0.4
120°-130°	60.7	0.3
130°-140°	50.3	0.3
140°-150°	39.1	0.2
150°-160°	26.1	0.1
160°-170°	13.1	0.1
170°-180°	3.6	0.0
0°-30°	7217.9	39.2
0°-40°	11897.6	64.7
0°-60°	16973.3	92.3
0°-90°	17989.2	97.8
90°-120°	214.7	1.2
90°-150°	364.8	2.0
90°-180°	408.0	2.2
0°-180°	18396.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9087	
5°	9075	864
15°	8873	2503
25°	8349	3851
35°	7568	4680
45°	4804	3657
55°	1519	1418
65°	454	462
75°	340	356
85°	186	172
90°	67	44
95°	67	55
105°	69	73
115°	69	69
125°	68	61
135°	64	50
145°	62	39
155°	56	26
165°	46	13
175°	36	4
180°	36	

TEST NUMBER: P1504707

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	9086.9
2.5°	9068.1
5°	9075.2
7.5°	9052.9
10°	8990.7
12.5°	8940.2
15°	8873.4
17.5°	8769.0
20°	8631.7
22.5°	8490.9
25°	8349.0
27.5°	8193.0
30°	8006.5
32.5°	7800.0
35°	7567.7
37.5°	7253.3
40°	6550.6
42.5°	5716.5
45°	4803.9
47.5°	3839.6
50°	2912.8
52.5°	2156.2
55°	1519.2
57.5°	977.2
60°	606.5
62.5°	518.5
65°	454.0
67.5°	403.5
70°	377.7
72.5°	356.6
75°	340.2
77.5°	317.9
80°	285.1
82.5°	241.7
85°	186.5
87.5°	123.2
90°	66.9
92.5°	65.7
95°	66.9
97.5°	68.0
100°	68.0
102.5°	69.2
105°	69.2
107.5°	69.2
110°	69.2

TEST NUMBER: P1504707

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	69.2
115°	69.2
117.5°	69.2
120°	68.0
122.5°	68.0
125°	68.0
127.5°	66.9
130°	66.9
132.5°	65.7
135°	64.5
137.5°	64.5
140°	63.3
142.5°	63.3
145°	62.2
147.5°	61.0
150°	61.0
152.5°	58.7
155°	56.3
157.5°	52.8
160°	51.6
162.5°	48.1
165°	45.8
167.5°	43.4
170°	39.9
172.5°	37.5
175°	36.4
177.5°	36.4
180°	36.4

(END OF REPORT)