

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: P1504668

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504668
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 (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

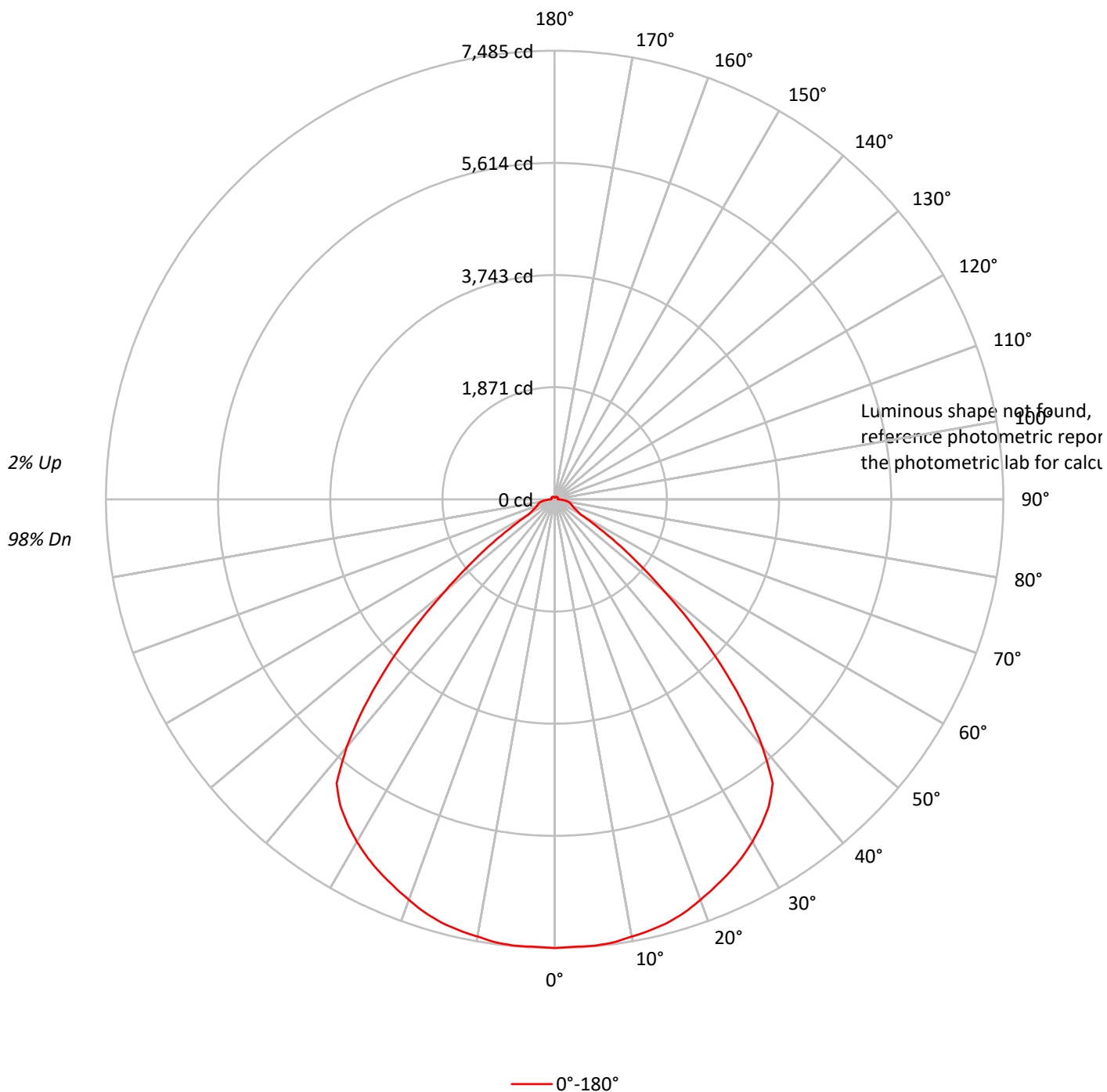
Lumens per Lamp: N/A
Luminaire Lumens: 15154.5 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.3
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	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: P1504668

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3000K_L16_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.5	4.7
10°-20°	2062.0	13.6
20°-30°	3172.4	20.9
30°-40°	3855.0	25.4
40°-50°	3012.9	19.9
50°-60°	1168.3	7.7
60°-70°	380.7	2.5
70°-80°	293.0	1.9
80°-90°	163.2	1.1
90°-100°	60.2	0.4
100°-110°	60.2	0.4
110°-120°	56.5	0.4
120°-130°	49.9	0.3
130°-140°	41.4	0.3
140°-150°	32.2	0.2
150°-160°	21.5	0.1
160°-170°	10.8	0.1
170°-180°	3.0	0.0
0°-30°	5945.8	39.2
0°-40°	9800.8	64.7
0°-60°	13981.9	92.3
0°-90°	14818.8	97.8
90°-120°	176.8	1.2
90°-150°	300.5	2.0
90°-180°	336.0	2.2
0°-180°	15154.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7485	
5°	7476	711
15°	7310	2062
25°	6878	3172
35°	6234	3855
45°	3957	3013
55°	1251	1168
65°	374	381
75°	280	293
85°	154	142
90°	55	36
95°	55	45
105°	57	60
115°	57	56
125°	56	50
135°	53	41
145°	51	32
155°	46	21
165°	38	11
175°	30	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7485.4
2.5°	7469.9
5°	7475.7
7.5°	7457.4
10°	7406.2
12.5°	7364.6
15°	7309.5
17.5°	7223.5
20°	7110.5
22.5°	6994.5
25°	6877.6
27.5°	6749.0
30°	6595.4
32.5°	6425.3
35°	6234.0
37.5°	5975.0
40°	5396.1
42.5°	4709.1
45°	3957.2
47.5°	3162.9
50°	2399.5
52.5°	1776.2
55°	1251.4
57.5°	805.0
60°	499.6
62.5°	427.1
65°	374.0
67.5°	332.4
70°	311.2
72.5°	293.8
75°	280.2
77.5°	261.9
80°	234.8
82.5°	199.1
85°	153.7
87.5°	101.5
90°	55.1
92.5°	54.1
95°	55.1
97.5°	56.0
100°	56.0
102.5°	57.0
105°	57.0
107.5°	57.0
110°	57.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	57.0
115°	57.0
117.5°	57.0
120°	56.0
122.5°	56.0
125°	56.0
127.5°	55.1
130°	55.1
132.5°	54.1
135°	53.1
137.5°	53.1
140°	52.2
142.5°	52.2
145°	51.2
147.5°	50.3
150°	50.3
152.5°	48.3
155°	46.4
157.5°	43.5
160°	42.5
162.5°	39.6
165°	37.7
167.5°	35.8
170°	32.9
172.5°	30.9
175°	30.0
177.5°	30.0
180°	30.0

(END OF REPORT)