

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: P1504674

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504674
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_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

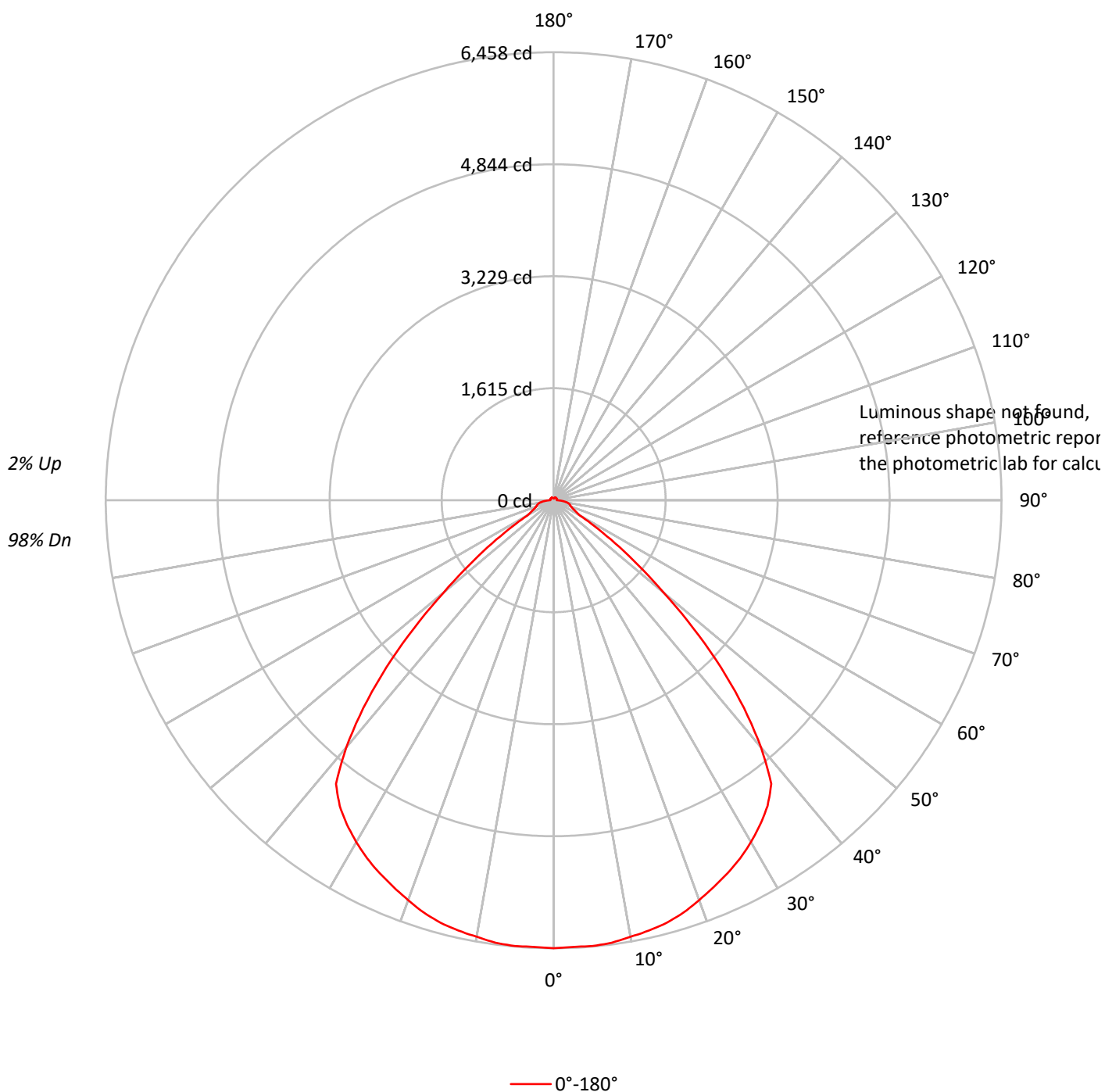
Lumens per Lamp: N/A
Luminaire Lumens: 13074.2 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.7
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

TEST NUMBER: P1504674

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L12_Wide_120V)

Luminous Intensity Polar Plot



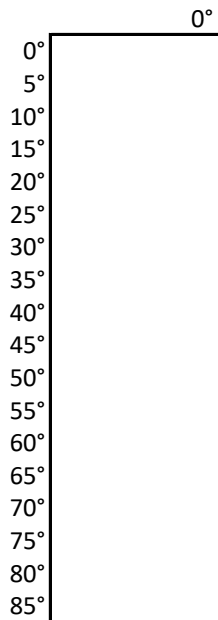
TEST NUMBER: P1504674

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L12_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
RCR																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100
1	111	107	104	101	108	105	102	99	100	98	95	96	94	92	92	91	89
2	103	97	91	87	100	95	90	86	91	87	83	87	84	81	84	81	79
3	96	87	81	76	93	86	80	75	83	77	73	80	75	72	77	73	70
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	71	66	63
5	83	72	65	59	81	71	64	59	69	63	58	67	61	57	65	60	56
6	77	66	58	53	75	65	58	52	63	57	52	61	56	51	60	55	51
7	72	60	53	47	70	60	52	47	58	51	47	56	51	46	55	50	46
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	51	46	42
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504674

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L12_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	613.8	4.7
10°-20°	1778.9	13.6
20°-30°	2736.8	20.9
30°-40°	3325.8	25.4
40°-50°	2599.3	19.9
50°-60°	1007.9	7.7
60°-70°	328.4	2.5
70°-80°	252.8	1.9
80°-90°	140.8	1.1
90°-100°	52.0	0.4
100°-110°	51.9	0.4
110°-120°	48.7	0.4
120°-130°	43.1	0.3
130°-140°	35.8	0.3
140°-150°	27.8	0.2
150°-160°	18.5	0.1
160°-170°	9.3	0.1
170°-180°	2.5	0.0
0°-30°	5129.6	39.2
0°-40°	8455.3	64.7
0°-60°	12062.5	92.3
0°-90°	12784.4	97.8
90°-120°	152.7	1.2
90°-150°	259.4	2.0
90°-180°	290.0	2.2
0°-180°	13074.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6458	
5°	6450	614
15°	6306	1779
25°	5933	2737
35°	5378	3326
45°	3414	2599
55°	1080	1008
65°	323	328
75°	242	253
85°	133	122
90°	48	31
95°	48	39
105°	49	52
115°	49	49
125°	48	43
135°	46	36
145°	44	28
155°	40	19
165°	32	9
175°	26	3
180°	26	

TEST NUMBER: P1504674

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L12_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	6457.8
2.5°	6444.5
5°	6449.5
7.5°	6433.6
10°	6389.5
12.5°	6353.6
15°	6306.1
17.5°	6231.9
20°	6134.3
22.5°	6034.3
25°	5933.4
27.5°	5822.5
30°	5690.0
32.5°	5543.3
35°	5378.2
37.5°	5154.7
40°	4655.4
42.5°	4062.6
45°	3414.0
47.5°	2728.7
50°	2070.1
52.5°	1532.3
55°	1079.6
57.5°	694.5
60°	431.0
62.5°	368.5
65°	322.6
67.5°	286.8
70°	268.5
72.5°	253.4
75°	241.8
77.5°	225.9
80°	202.6
82.5°	171.7
85°	132.6
87.5°	87.5
90°	47.5
92.5°	46.7
95°	47.5
97.5°	48.4
100°	48.4
102.5°	49.2
105°	49.2
107.5°	49.2
110°	49.2

TEST NUMBER: P1504674

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L12_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	49.2
115°	49.2
117.5°	49.2
120°	48.4
122.5°	48.4
125°	48.4
127.5°	47.5
130°	47.5
132.5°	46.7
135°	45.9
137.5°	45.9
140°	45.0
142.5°	45.0
145°	44.2
147.5°	43.4
150°	43.4
152.5°	41.7
155°	40.0
157.5°	37.5
160°	36.7
162.5°	34.2
165°	32.5
167.5°	30.8
170°	28.3
172.5°	26.7
175°	25.8
177.5°	25.8
180°	25.8

(END OF REPORT)