

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: P1504314

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504314
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-5)
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-A-04-TRWH-PS (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

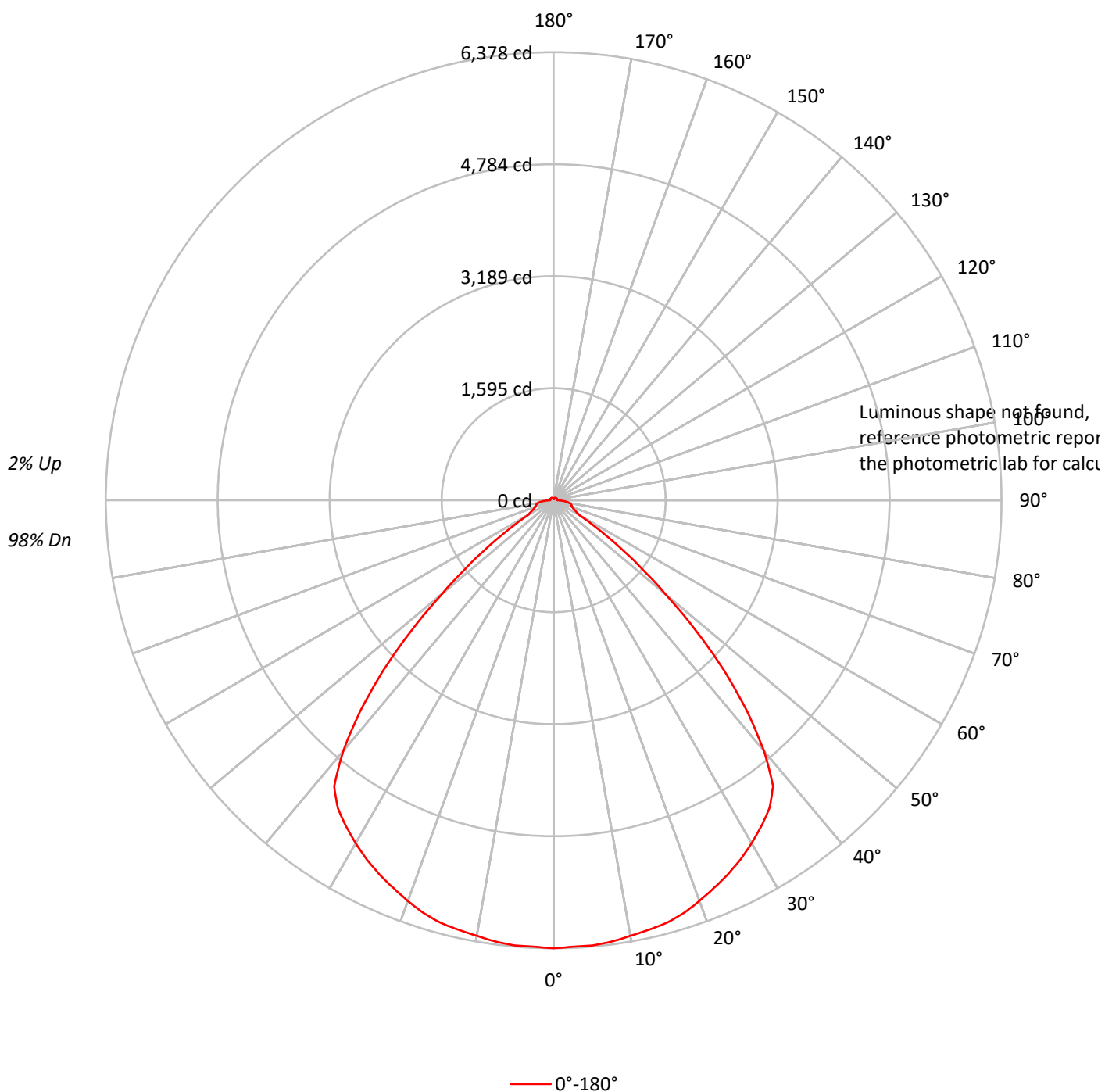
Lumens per Lamp: N/A
Luminaire Lumens: 13049.9 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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: P1504314

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

Luminous Intensity Polar Plot



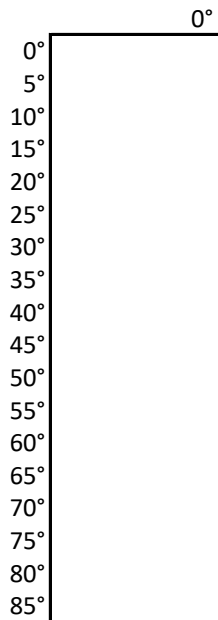
TEST NUMBER: P1504314

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-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	104	101	99	100	97	95	96	94	92	92	90	89
2	103	96	91	86	100	94	89	85	91	87	83	87	84	81	84	81	79
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	77	73	70
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50
7	72	60	53	47	70	59	52	47	58	51	46	56	50	46	55	50	46
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504314

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.1	4.6
10°-20°	1757.1	13.5
20°-30°	2709.4	20.8
30°-40°	3309.5	25.4
40°-50°	2611.5	20.0
50°-60°	1005.4	7.7
60°-70°	333.6	2.6
70°-80°	271.8	2.1
80°-90°	161.0	1.2
90°-100°	54.3	0.4
100°-110°	53.4	0.4
110°-120°	48.9	0.4
120°-130°	42.2	0.3
130°-140°	34.3	0.3
140°-150°	26.4	0.2
150°-160°	16.8	0.1
160°-170°	7.4	0.1
170°-180°	1.8	0.0
0°-30°	5071.6	38.9
0°-40°	8381.1	64.2
0°-60°	11998.0	91.9
0°-90°	12764.4	97.8
90°-120°	156.6	1.2
90°-150°	259.5	2.0
90°-180°	286.0	2.2
0°-180°	13049.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6378	
5°	6362	605
15°	6229	1757
25°	5873	2709
35°	5356	3310
45°	3436	2612
55°	1076	1005
65°	329	334
75°	259	272
85°	155	140
90°	50	34
95°	50	41
105°	51	53
115°	49	49
125°	47	42
135°	44	34
145°	42	26
155°	36	17
165°	25	7
175°	17	2
180°	16	

TEST NUMBER: P1504314

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	6377.8
2.5°	6361.9
5°	6361.9
7.5°	6337.8
10°	6296.1
12.5°	6263.6
15°	6228.6
17.5°	6162.7
20°	6070.1
22.5°	5971.8
25°	5873.4
27.5°	5765.0
30°	5637.5
32.5°	5503.2
35°	5355.7
37.5°	5133.1
40°	4662.0
42.5°	4080.1
45°	3436.5
47.5°	2746.2
50°	2075.1
52.5°	1531.5
55°	1076.3
57.5°	688.6
60°	424.4
62.5°	367.7
65°	329.3
67.5°	297.6
70°	282.6
72.5°	269.3
75°	259.3
77.5°	245.9
80°	225.1
82.5°	195.9
85°	155.1
87.5°	102.5
90°	50.0
92.5°	49.2
95°	50.0
97.5°	50.0
100°	50.0
102.5°	50.9
105°	50.9
107.5°	50.0
110°	50.0

TEST NUMBER: P1504314

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	50.0
115°	49.2
117.5°	48.4
120°	48.4
122.5°	47.5
125°	46.7
127.5°	46.7
130°	45.9
132.5°	45.0
135°	44.2
137.5°	43.4
140°	43.4
142.5°	42.5
145°	41.7
147.5°	41.7
150°	40.9
152.5°	39.2
155°	35.8
157.5°	33.3
160°	30.8
162.5°	28.3
165°	25.0
167.5°	23.3
170°	20.8
172.5°	19.2
175°	16.7
177.5°	15.8
180°	15.8

(END OF REPORT)