

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: P1504331

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504331
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-25)
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 (5000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

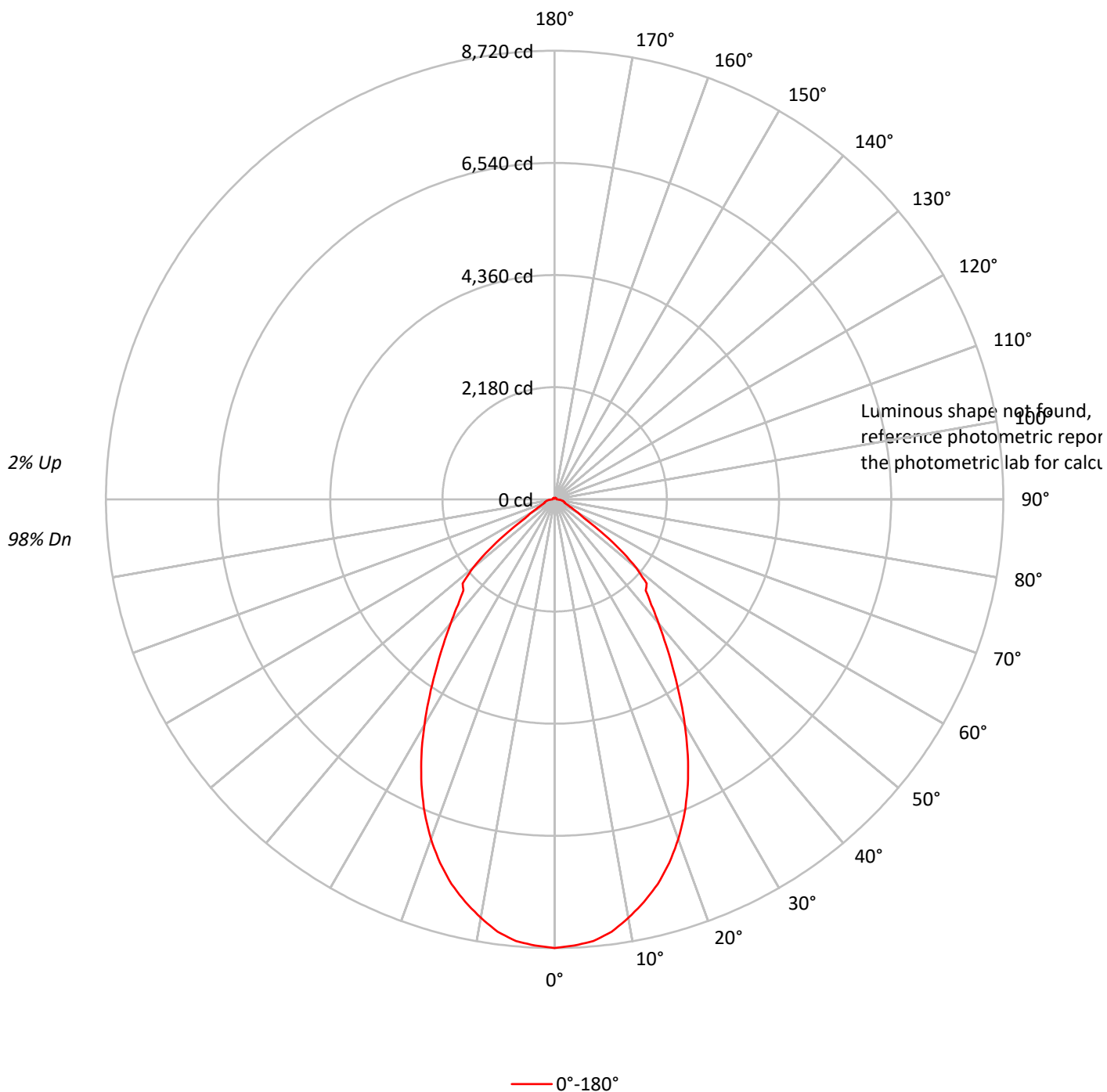
Lumens per Lamp: N/A
Luminaire Lumens: 12169.4 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.1
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: P1504331

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Narrow_120V)

Luminous Intensity Polar Plot



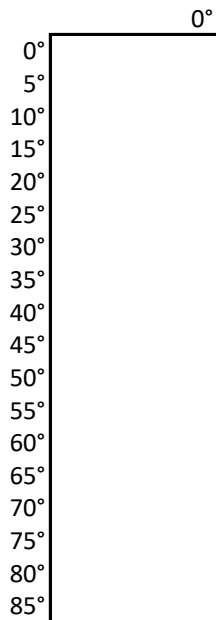
TEST NUMBER: P1504331

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Narrow_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	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	102	108	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72	71		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59	57		
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54	52		
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504331

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.1	6.7
10°-20°	2165.5	17.8
20°-30°	2793.5	23.0
30°-40°	2515.4	20.7
40°-50°	1987.5	16.3
50°-60°	1036.3	8.5
60°-70°	334.3	2.7
70°-80°	198.9	1.6
80°-90°	109.4	0.9
90°-100°	40.7	0.3
100°-110°	39.9	0.3
110°-120°	36.9	0.3
120°-130°	31.9	0.3
130°-140°	26.1	0.2
140°-150°	20.6	0.2
150°-160°	13.5	0.1
160°-170°	6.4	0.1
170°-180°	1.6	0.0
0°-30°	5770.1	47.4
0°-40°	8285.5	68.1
0°-60°	11309.3	92.9
0°-90°	11951.9	98.2
90°-120°	117.4	1.0
90°-150°	196.0	1.6
90°-180°	217.0	1.8
0°-180°	12169.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8720	
5°	8617	811
15°	7740	2165
25°	6123	2794
35°	4003	2515
45°	2506	1987
55°	1099	1036
65°	315	334
75°	189	199
85°	102	95
90°	38	25
95°	38	31
105°	38	40
115°	38	37
125°	36	32
135°	33	26
145°	32	21
155°	29	14
165°	22	6
175°	16	2
180°	15	

TEST NUMBER: P1504331

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8720.4
2.5°	8678.7
5°	8617.4
7.5°	8477.7
10°	8257.1
12.5°	8014.4
15°	7740.2
17.5°	7409.7
20°	7026.4
22.5°	6600.6
25°	6122.8
27.5°	5605.8
30°	5059.9
32.5°	4519.1
35°	4002.9
37.5°	3544.7
40°	3141.0
42.5°	2780.8
45°	2506.5
47.5°	2424.8
50°	2067.1
52.5°	1613.1
55°	1098.7
57.5°	673.7
60°	530.6
62.5°	411.4
65°	315.1
67.5°	253.8
70°	218.9
72.5°	199.3
75°	189.1
77.5°	176.3
80°	157.6
82.5°	132.9
85°	102.2
87.5°	69.0
90°	37.5
92.5°	36.6
95°	37.5
97.5°	37.5
100°	37.5
102.5°	37.5
105°	38.3
107.5°	37.5
110°	37.5

TEST NUMBER: P1504331

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.5
115°	37.5
117.5°	36.6
120°	36.6
122.5°	35.8
125°	35.8
127.5°	34.9
130°	34.9
132.5°	34.1
135°	33.2
137.5°	33.2
140°	33.2
142.5°	33.2
145°	32.4
147.5°	32.4
150°	32.4
152.5°	31.5
155°	29.0
157.5°	26.4
160°	25.6
162.5°	23.8
165°	22.1
167.5°	20.4
170°	18.7
172.5°	17.0
175°	16.2
177.5°	15.3
180°	15.3

(END OF REPORT)