

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: P1504319

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504319
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 (3500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

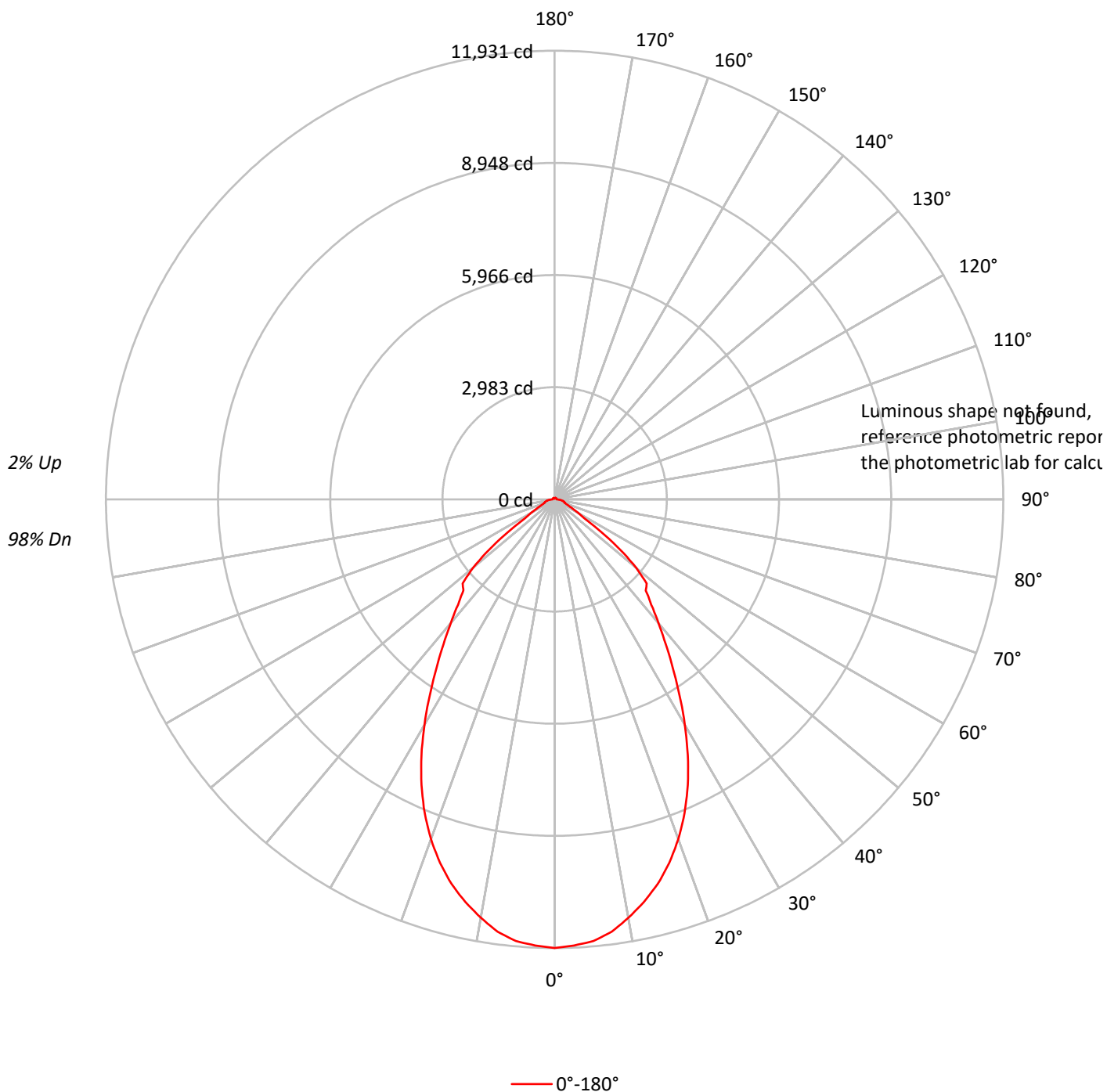
Lumens per Lamp: N/A
Luminaire Lumens: 16649.1 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.7
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: P1504319

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3500K_L18_Narrow_120V)

Luminous Intensity Polar Plot



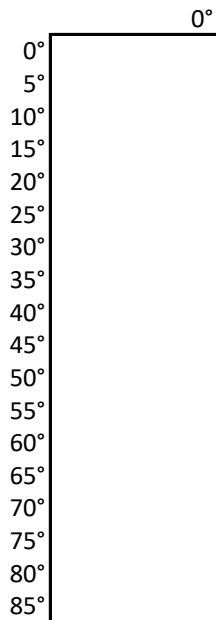
TEST NUMBER: P1504319

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3500K_L18_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: P1504319

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3500K_L18_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1109.7	6.7
10°-20°	2962.7	17.8
20°-30°	3821.9	23.0
30°-40°	3441.4	20.7
40°-50°	2719.1	16.3
50°-60°	1417.7	8.5
60°-70°	457.3	2.7
70°-80°	272.2	1.6
80°-90°	149.7	0.9
90°-100°	55.6	0.3
100°-110°	54.6	0.3
110°-120°	50.5	0.3
120°-130°	43.7	0.3
130°-140°	35.6	0.2
140°-150°	28.1	0.2
150°-160°	18.5	0.1
160°-170°	8.7	0.1
170°-180°	2.2	0.0
0°-30°	7894.3	47.4
0°-40°	11335.6	68.1
0°-60°	15472.5	92.9
0°-90°	16351.6	98.2
90°-120°	160.7	1.0
90°-150°	268.1	1.6
90°-180°	298.0	1.8
0°-180°	16649.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11931	
5°	11790	###
15°	10590	2963
25°	8377	3822
35°	5476	3441
45°	3429	2719
55°	1503	1418
65°	431	457
75°	259	272
85°	140	130
90°	51	34
95°	51	42
105°	52	55
115°	51	50
125°	49	44
135°	45	36
145°	44	28
155°	40	18
165°	30	9
175°	22	2
180°	21	

TEST NUMBER: P1504319

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3500K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	11930.7
2.5°	11873.6
5°	11789.7
7.5°	11598.6
10°	11296.8
12.5°	10964.7
15°	10589.5
17.5°	10137.4
20°	9613.0
22.5°	9030.4
25°	8376.7
27.5°	7669.5
30°	6922.6
32.5°	6182.6
35°	5476.5
37.5°	4849.6
40°	4297.3
42.5°	3804.4
45°	3429.2
47.5°	3317.4
50°	2828.0
52.5°	2206.9
55°	1503.1
57.5°	921.7
60°	725.9
62.5°	562.8
65°	431.1
67.5°	347.2
70°	299.5
72.5°	272.7
75°	258.7
77.5°	241.2
80°	215.6
82.5°	181.8
85°	139.8
87.5°	94.4
90°	51.3
92.5°	50.1
95°	51.3
97.5°	51.3
100°	51.3
102.5°	51.3
105°	52.4
107.5°	51.3
110°	51.3

TEST NUMBER: P1504319

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3500K_L18_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	51.3
115°	51.3
117.5°	50.1
120°	50.1
122.5°	48.9
125°	48.9
127.5°	47.8
130°	47.8
132.5°	46.6
135°	45.4
137.5°	45.4
140°	45.4
142.5°	45.4
145°	44.3
147.5°	44.3
150°	44.3
152.5°	43.1
155°	39.6
157.5°	36.1
160°	35.0
162.5°	32.6
165°	30.3
167.5°	28.0
170°	25.6
172.5°	23.3
175°	22.1
177.5°	21.0
180°	21.0

(END OF REPORT)