

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: P1504688

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504688
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-37)
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 (4000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

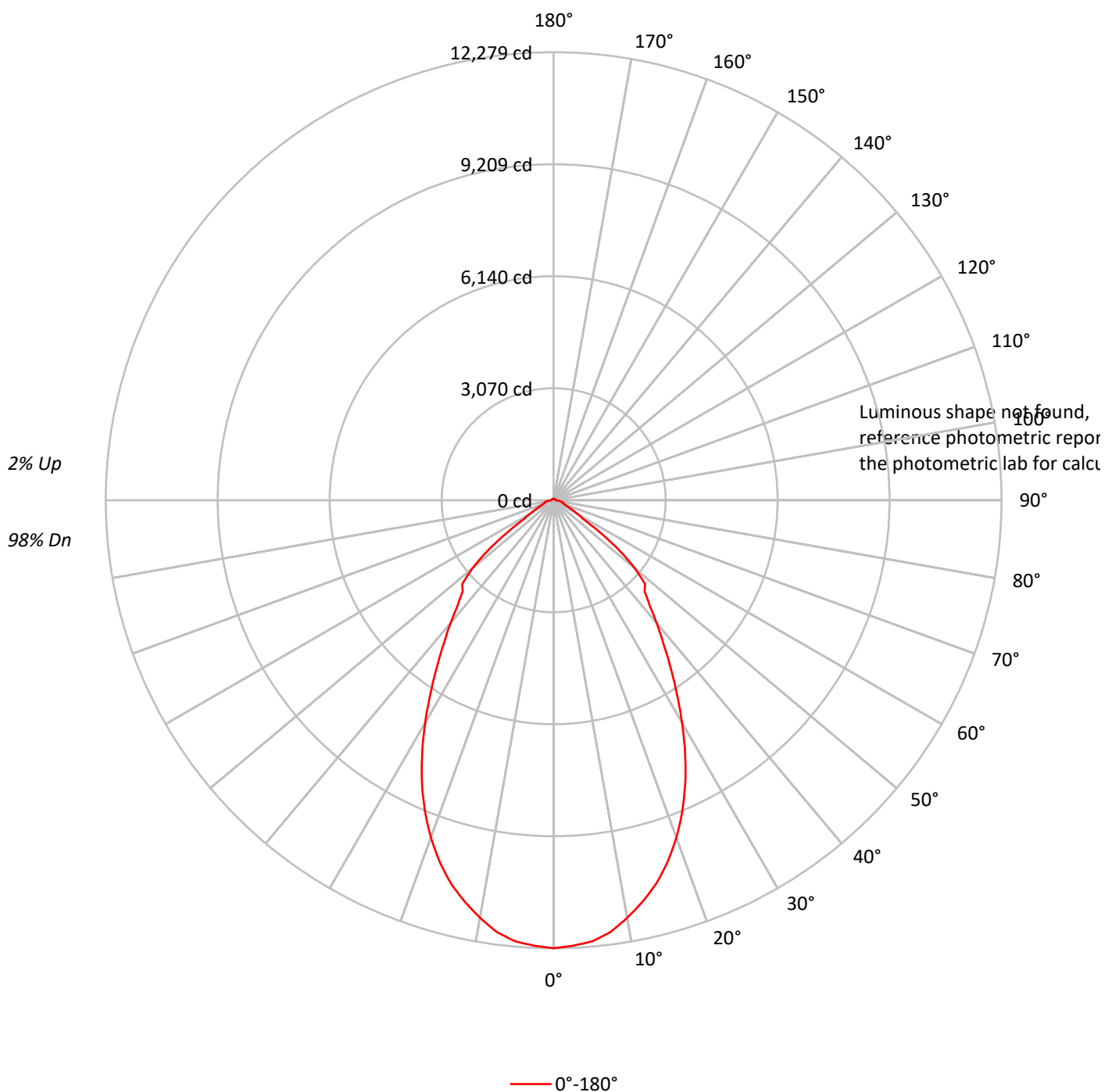
Lumens per Lamp: N/A
Luminaire Lumens: 17043.8 lumens
Efficiency: N/A
Efficacy: 142.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 119.3
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

TEST NUMBER: P1504688

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L18_Narrow_120V)

Luminous Intensity Polar Plot



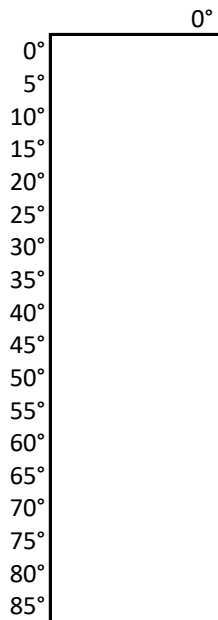
TEST NUMBER: P1504688

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_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	105	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: P1504688

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L18_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1142.0	6.7
10°-20°	3040.6	17.8
20°-30°	3897.9	22.9
30°-40°	3503.3	20.6
40°-50°	2784.4	16.3
50°-60°	1483.4	8.7
60°-70°	472.2	2.8
70°-80°	267.6	1.6
80°-90°	139.6	0.8
90°-100°	55.6	0.3
100°-110°	55.5	0.3
110°-120°	52.3	0.3
120°-130°	46.3	0.3
130°-140°	38.4	0.2
140°-150°	30.3	0.2
150°-160°	20.6	0.1
160°-170°	10.8	0.1
170°-180°	3.1	0.0
0°-30°	8080.5	47.4
0°-40°	11583.7	68.0
0°-60°	15851.5	93.0
0°-90°	16730.9	98.2
90°-120°	163.4	1.0
90°-150°	278.4	1.6
90°-180°	313.0	1.8
0°-180°	17043.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12279	
5°	12134	###
15°	10873	3041
25°	8544	3898
35°	5576	3503
45°	3529	2784
55°	1602	1483
65°	447	472
75°	255	268
85°	128	121
90°	51	33
95°	51	42
105°	52	55
115°	52	52
125°	51	46
135°	50	38
145°	49	30
155°	44	21
165°	38	11
175°	31	3
180°	31	

TEST NUMBER: P1504688

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12279.3
2.5°	12220.0
5°	12134.4
7.5°	11937.3
10°	11619.0
12.5°	11269.8
15°	10873.1
17.5°	10394.5
20°	9838.7
22.5°	9223.5
25°	8544.1
27.5°	7806.6
30°	7040.5
32.5°	6282.8
35°	5576.1
37.5°	4943.1
40°	4384.9
42.5°	3881.3
45°	3528.6
47.5°	3395.6
50°	2906.2
52.5°	2298.1
55°	1602.2
57.5°	973.9
60°	753.0
62.5°	585.5
65°	446.6
67.5°	355.1
70°	301.7
72.5°	270.8
75°	255.3
77.5°	234.0
80°	204.3
82.5°	168.6
85°	128.3
87.5°	87.9
90°	51.1
92.5°	49.9
95°	51.1
97.5°	51.1
100°	52.3
102.5°	52.3
105°	52.3
107.5°	52.3
110°	53.4

TEST NUMBER: P1504688

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L18_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	53.4
115°	52.3
117.5°	52.3
120°	52.3
122.5°	52.3
125°	51.1
127.5°	51.1
130°	51.1
132.5°	49.9
135°	49.9
137.5°	48.7
140°	48.7
142.5°	48.7
145°	48.7
147.5°	47.5
150°	47.5
152.5°	46.3
155°	43.9
157.5°	42.8
160°	41.6
162.5°	39.2
165°	38.0
167.5°	35.6
170°	34.4
172.5°	32.1
175°	30.9
177.5°	30.9
180°	30.9

(END OF REPORT)