

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: P1504706

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504706
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

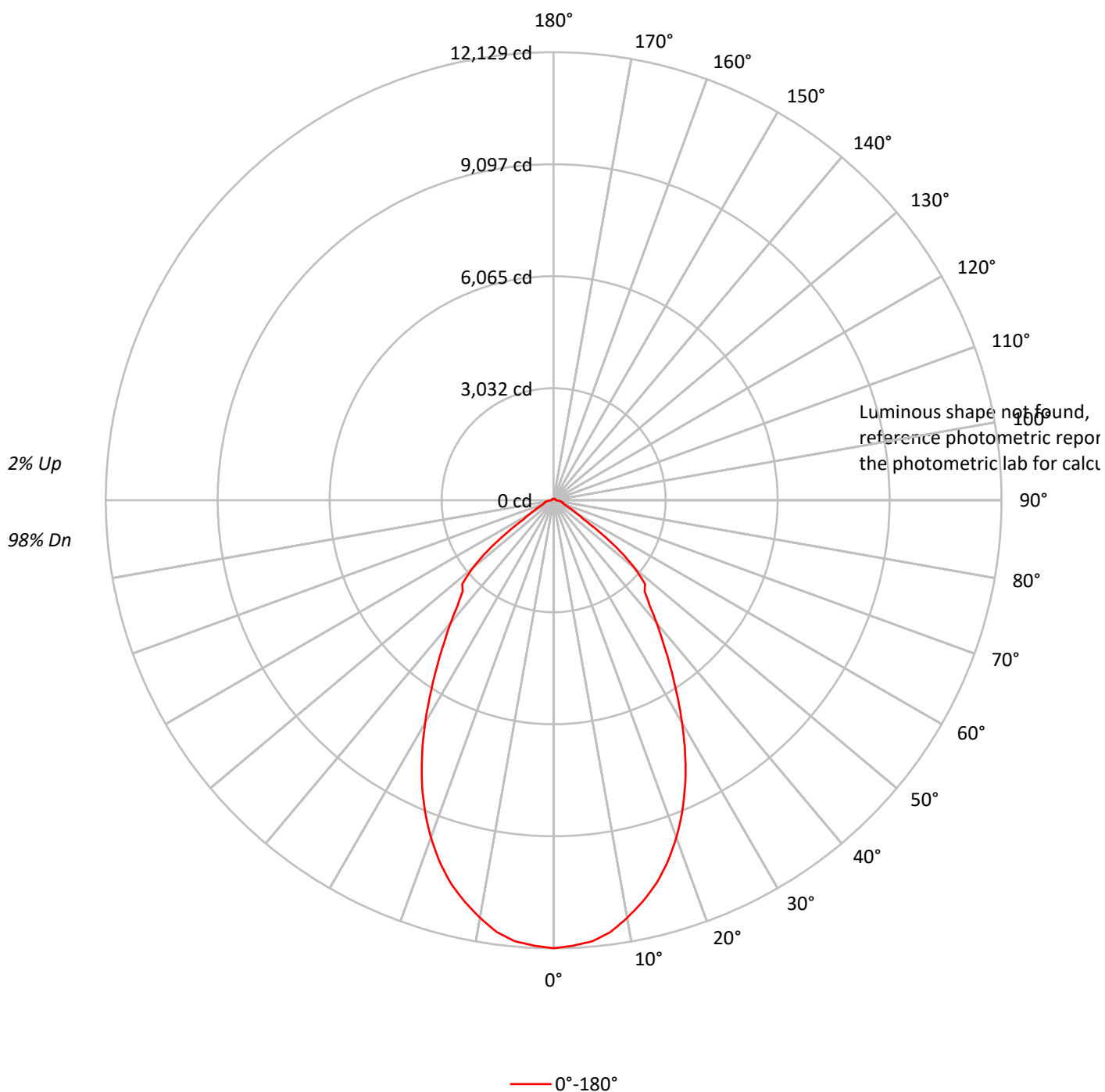
Lumens per Lamp: N/A
Luminaire Lumens: 16834.6 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 123.3
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: P1504706

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Narrow_120V)

Luminous Intensity Polar Plot





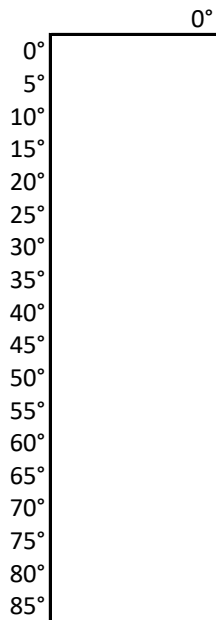
TEST NUMBER: P1504706

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_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: P1504706

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1128.0	6.7
10°-20°	3003.3	17.8
20°-30°	3850.1	22.9
30°-40°	3460.3	20.6
40°-50°	2750.2	16.3
50°-60°	1465.2	8.7
60°-70°	466.4	2.8
70°-80°	264.3	1.6
80°-90°	137.9	0.8
90°-100°	54.9	0.3
100°-110°	54.7	0.3
110°-120°	51.7	0.3
120°-130°	45.6	0.3
130°-140°	38.0	0.2
140°-150°	30.0	0.2
150°-160°	20.4	0.1
160°-170°	10.7	0.1
170°-180°	3.0	0.0
0°-30°	7981.3	47.4
0°-40°	11441.7	68.0
0°-60°	15657.1	93.0
0°-90°	16525.7	98.2
90°-120°	161.3	1.0
90°-150°	274.8	1.6
90°-180°	309.0	1.8
0°-180°	16834.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12129	
5°	11986	###
15°	10740	3003
25°	8439	3850
35°	5508	3460
45°	3485	2750
55°	1582	1465
65°	441	466
75°	252	264
85°	127	119
90°	50	32
95°	50	41
105°	52	55
115°	52	52
125°	50	46
135°	49	38
145°	48	30
155°	43	20
165°	38	11
175°	30	3
180°	30	

TEST NUMBER: P1504706

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12128.8
2.5°	12070.1
5°	11985.6
7.5°	11790.9
10°	11476.5
12.5°	11131.6
15°	10739.8
17.5°	10267.0
20°	9718.0
22.5°	9110.3
25°	8439.3
27.5°	7710.8
30°	6954.2
32.5°	6205.7
35°	5507.7
37.5°	4882.5
40°	4331.1
42.5°	3833.7
45°	3485.3
47.5°	3353.9
50°	2870.6
52.5°	2270.0
55°	1582.5
57.5°	961.9
60°	743.7
62.5°	578.3
65°	441.1
67.5°	350.8
70°	298.0
72.5°	267.5
75°	252.2
77.5°	231.1
80°	201.8
82.5°	166.6
85°	126.7
87.5°	86.8
90°	50.4
92.5°	49.3
95°	50.4
97.5°	50.4
100°	51.6
102.5°	51.6
105°	51.6
107.5°	51.6
110°	52.8

TEST NUMBER: P1504706

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	52.8
115°	51.6
117.5°	51.6
120°	51.6
122.5°	51.6
125°	50.4
127.5°	50.4
130°	50.4
132.5°	49.3
135°	49.3
137.5°	48.1
140°	48.1
142.5°	48.1
145°	48.1
147.5°	46.9
150°	46.9
152.5°	45.8
155°	43.4
157.5°	42.2
160°	41.1
162.5°	38.7
165°	37.5
167.5°	35.2
170°	34.0
172.5°	31.7
175°	30.5
177.5°	30.5
180°	30.5

(END OF REPORT)