

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: P1504661

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504661
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-31)
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-CLER-PS (6500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

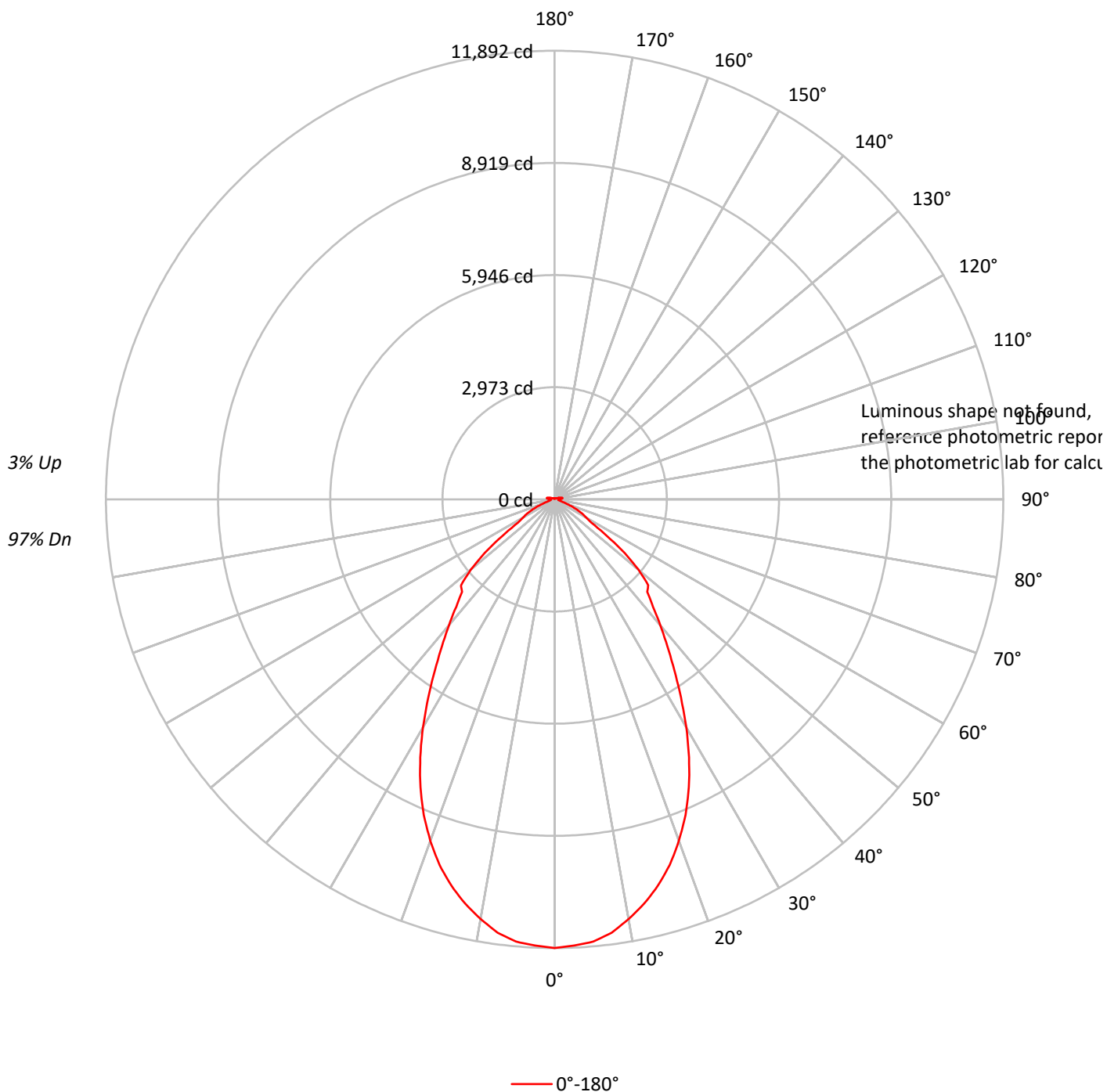
Lumens per Lamp: N/A
Luminaire Lumens: 17230.7 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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: P1504661

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

Luminous Intensity Polar Plot



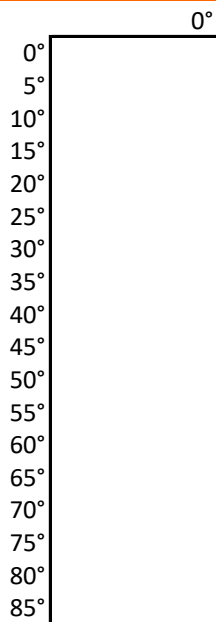
TEST NUMBER: P1504661

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	103	97	92	88	101	95	90	86	91	87	84	88	85	82	84	82	80	77		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	60	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	42		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504661

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1108.0	6.4
10°-20°	2965.4	17.2
20°-30°	3838.9	22.3
30°-40°	3472.3	20.2
40°-50°	2758.9	16.0
50°-60°	1577.1	9.2
60°-70°	649.4	3.8
70°-80°	191.5	1.1
80°-90°	111.7	0.6
90°-100°	193.9	1.1
100°-110°	188.4	1.1
110°-120°	86.1	0.5
120°-130°	31.7	0.2
130°-140°	20.4	0.1
140°-150°	16.5	0.1
150°-160°	11.9	0.1
160°-170°	6.7	0.0
170°-180°	2.0	0.0
0°-30°	7912.3	45.9
0°-40°	11384.6	66.1
0°-60°	15720.6	91.2
0°-90°	16673.1	96.8
90°-120°	468.4	2.7
90°-150°	537.1	3.1
90°-180°	558.0	3.2
0°-180°	17230.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11892	
5°	11766	###
15°	10593	2965
25°	8417	3839
35°	5524	3472
45°	3465	2759
55°	1689	1577
65°	666	649
75°	161	191
85°	94	81
90°	122	68
95°	184	156
105°	181	188
115°	83	86
125°	33	32
135°	26	20
145°	26	17
155°	26	12
165°	24	7
175°	20	2
180°	21	

TEST NUMBER: P1504661

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

CANDELA DISTRIBUTION (FULL):

0°	
0°	11891.8
2.5°	11834.3
5°	11766.3
7.5°	11583.3
10°	11295.8
12.5°	10972.1
15°	10593.2
17.5°	10154.4
20°	9628.9
22.5°	9057.6
25°	8417.0
27.5°	7712.0
30°	6972.9
32.5°	6229.2
35°	5524.2
37.5°	4897.7
40°	4354.6
42.5°	3860.7
45°	3465.4
47.5°	3366.8
50°	2897.6
52.5°	2335.7
55°	1689.3
57.5°	1152.0
60°	972.5
62.5°	824.7
65°	666.3
67.5°	492.7
70°	327.3
72.5°	214.7
75°	160.7
77.5°	132.6
80°	110.3
82.5°	96.2
85°	93.8
87.5°	103.2
90°	122.0
92.5°	152.5
95°	184.2
97.5°	207.6
100°	212.3
102.5°	201.8
105°	180.7
107.5°	157.2
110°	130.2

TEST NUMBER: P1504661

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

CANDELA DISTRIBUTION (continued):

	0°
112.5°	106.8
115°	83.3
117.5°	64.5
120°	50.4
122.5°	39.9
125°	32.8
127.5°	29.3
130°	27.0
132.5°	25.8
135°	25.8
137.5°	27.0
140°	27.0
142.5°	27.0
145°	25.8
147.5°	25.8
150°	25.8
152.5°	25.8
155°	25.8
157.5°	25.8
160°	24.6
162.5°	24.6
165°	23.5
167.5°	22.3
170°	21.1
172.5°	21.1
175°	19.9
177.5°	21.1
180°	21.1

(END OF REPORT)