

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: P1504804

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504804
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-56)
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-06-CLER-PS (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

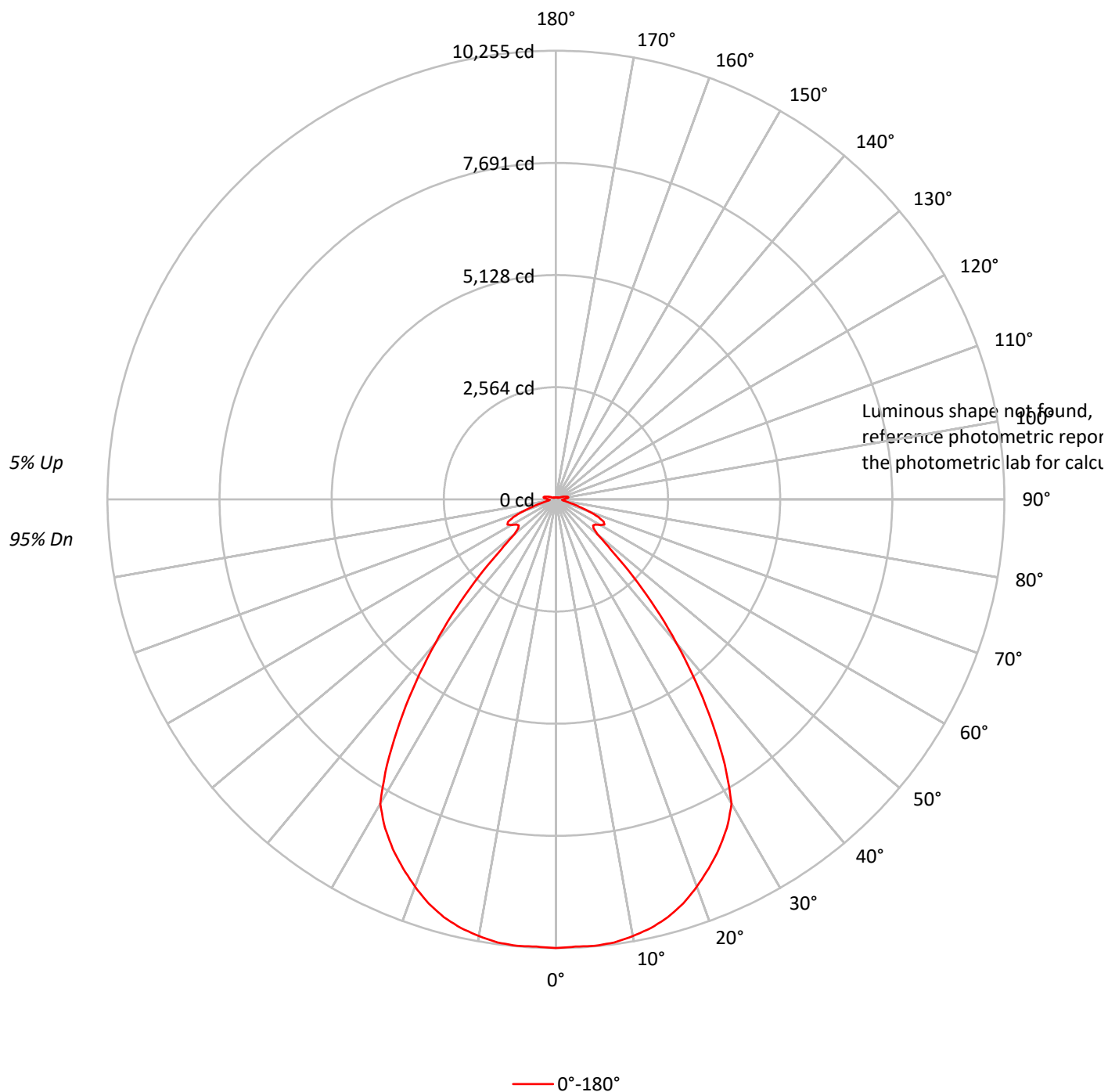
Lumens per Lamp: N/A
Luminaire Lumens: 17130.8 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 122.9
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: P1504804

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L18_Medium_120V)

Luminous Intensity Polar Plot



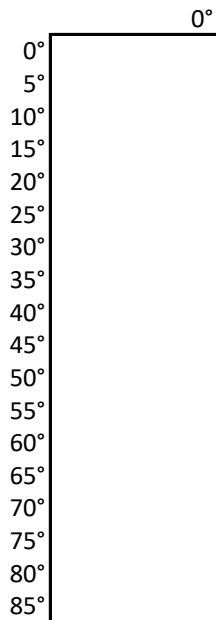
TEST NUMBER: P1504804

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L18_Medium_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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	103	103	103	98	98	98	95			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	85			
2	102	96	90	86	100	94	89	85	90	85	82	86	82	79	82	79	77	75			
3	95	87	80	75	93	85	79	74	82	77	72	78	74	71	75	72	69	67			
4	89	79	72	67	86	78	71	66	75	69	65	72	67	63	69	65	62	60			
5	83	72	65	60	81	71	64	59	69	63	58	66	61	57	64	60	56	54			
6	78	67	59	54	76	66	59	53	63	57	53	61	56	52	60	55	51	49			
7	73	62	54	49	71	61	54	49	59	53	48	57	52	47	55	51	47	45			
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41			
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	48	43	40	38			
10	61	50	43	38	60	49	42	38	48	42	38	46	41	37	45	40	37	35			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504804

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L18_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	974.4	5.7
10°-20°	2781.1	16.2
20°-30°	4048.0	23.6
30°-40°	3852.1	22.5
40°-50°	1962.9	11.5
50°-60°	984.5	5.7
60°-70°	1108.8	6.5
70°-80°	447.6	2.6
80°-90°	167.6	1.0
90°-100°	258.0	1.5
100°-110°	254.8	1.5
110°-120°	121.4	0.7
120°-130°	55.1	0.3
130°-140°	42.2	0.2
140°-150°	33.0	0.2
150°-160°	22.6	0.1
160°-170°	13.2	0.1
170°-180°	3.7	0.0
0°-30°	7803.5	45.6
0°-40°	11655.5	68.0
0°-60°	14602.9	85.2
0°-90°	16326.8	95.3
90°-120°	634.2	3.7
90°-150°	764.5	4.5
90°-180°	804.0	4.7
0°-180°	17130.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10255	
5°	10242	974
15°	9889	2781
25°	8820	4048
35°	6223	3852
45°	2487	1963
55°	1037	984
65°	1204	1109
75°	380	448
85°	140	125
90°	164	92
95°	243	208
105°	245	255
115°	118	121
125°	58	55
135°	55	42
145°	53	33
155°	48	23
165°	47	13
175°	38	4
180°	39	

TEST NUMBER: P1504804

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L18_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	10255.1
2.5°	10231.5
5°	10241.6
7.5°	10215.8
10°	10136.0
12.5°	10036.0
15°	9888.8
17.5°	9685.5
20°	9420.3
22.5°	9128.2
25°	8820.4
27.5°	8466.5
30°	8031.7
32.5°	7190.2
35°	6222.9
37.5°	5253.4
40°	4282.7
42.5°	3369.3
45°	2487.4
47.5°	1694.2
50°	1238.1
52.5°	1085.3
55°	1037.0
57.5°	1067.3
60°	1166.2
62.5°	1251.6
65°	1204.4
67.5°	1037.0
70°	803.3
72.5°	564.0
75°	379.7
77.5°	261.8
80°	188.7
82.5°	152.8
85°	140.4
87.5°	144.9
90°	164.0
92.5°	200.0
95°	242.7
97.5°	277.5
100°	288.7
102.5°	274.1
105°	244.9
107.5°	210.1
110°	176.4

TEST NUMBER: P1504804

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L18_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	146.1
115°	118.0
117.5°	95.5
120°	77.5
122.5°	66.3
125°	58.4
127.5°	55.1
130°	52.8
132.5°	53.9
135°	55.1
137.5°	55.1
140°	55.1
142.5°	53.9
145°	52.8
147.5°	50.6
150°	49.4
152.5°	49.4
155°	48.3
157.5°	48.3
160°	49.4
162.5°	48.3
165°	47.2
167.5°	43.8
170°	40.4
172.5°	38.2
175°	38.2
177.5°	38.2
180°	39.3

(END OF REPORT)