

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: P1504261

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504261
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-20)
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-CLER-PS (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

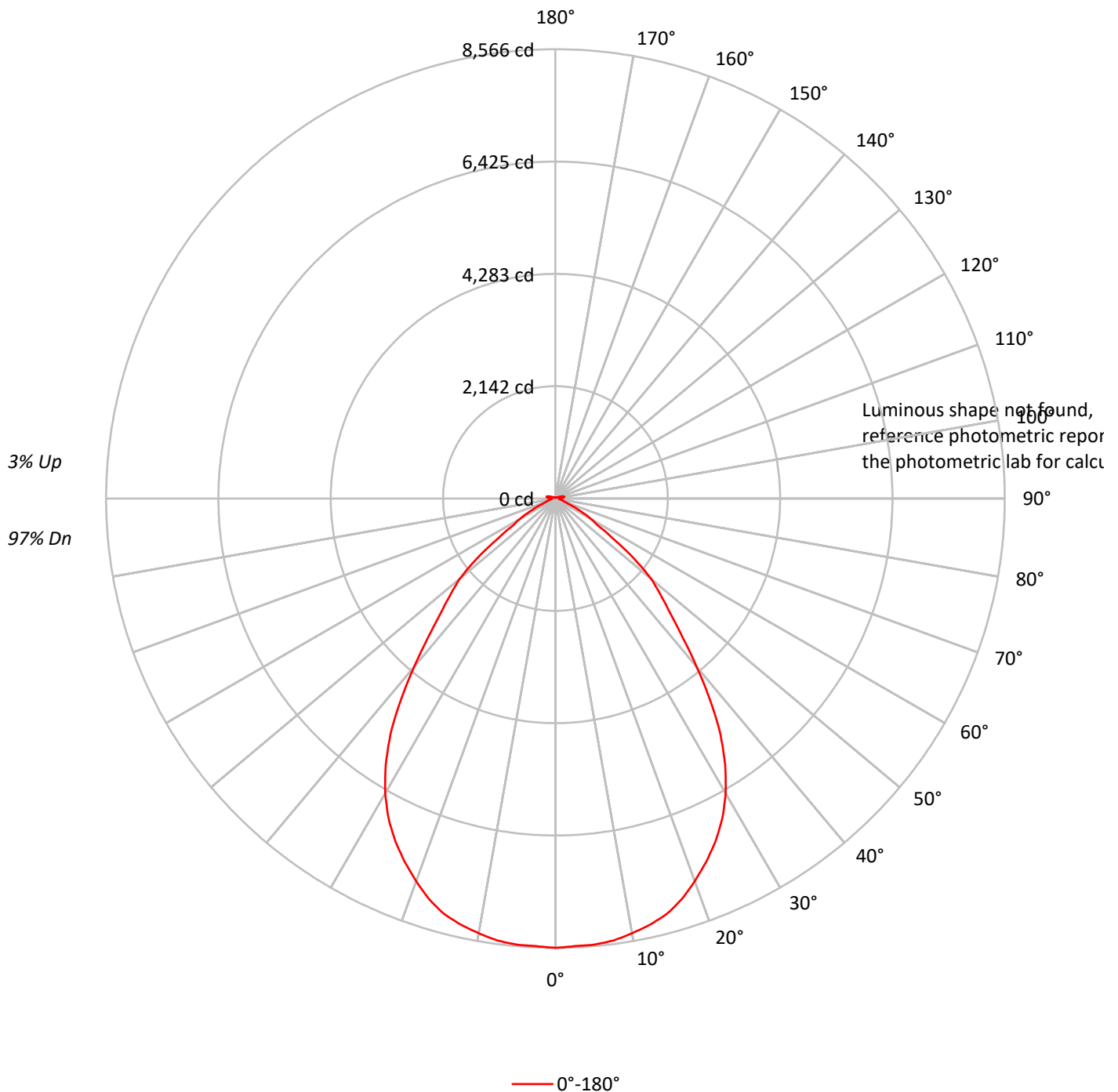
Lumens per Lamp: N/A
Luminaire Lumens: 14666.0 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.3
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: P1504261

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L16_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504261

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L16_Medium_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	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	78		
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	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	45	55	49	44	54	48	44	52	47	43	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	38		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504261

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L16_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.1	5.5
10°-20°	2302.8	15.7
20°-30°	3307.6	22.6
30°-40°	3377.2	23.0
40°-50°	2436.1	16.6
50°-60°	1294.9	8.8
60°-70°	436.7	3.0
70°-80°	148.8	1.0
80°-90°	85.8	0.6
90°-100°	142.7	1.0
100°-110°	161.6	1.1
110°-120°	77.4	0.5
120°-130°	29.7	0.2
130°-140°	19.1	0.1
140°-150°	16.0	0.1
150°-160°	11.6	0.1
160°-170°	5.5	0.0
170°-180°	1.5	0.0
0°-30°	6421.5	43.8
0°-40°	9798.7	66.8
0°-60°	13529.7	92.3
0°-90°	14201.0	96.8
90°-120°	381.8	2.6
90°-150°	446.5	3.0
90°-180°	465.0	3.2
0°-180°	14666.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8566	
5°	8537	811
15°	8202	2303
25°	7217	3308
35°	5481	3377
45°	3091	2436
55°	1382	1295
65°	413	437
75°	139	149
85°	72	64
90°	84	48
95°	132	117
105°	158	162
115°	75	77
125°	31	30
135°	24	19
145°	25	16
155°	25	12
165°	19	5
175°	14	1
180°	14	

TEST NUMBER: P1504261

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L16_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8565.8
2.5°	8541.6
5°	8536.8
7.5°	8499.1
10°	8415.0
12.5°	8324.2
15°	8201.5
17.5°	8010.1
20°	7763.7
22.5°	7499.9
25°	7216.8
27.5°	6887.2
30°	6489.1
32.5°	6020.4
35°	5481.2
37.5°	4844.3
40°	4189.2
42.5°	3589.0
45°	3091.4
47.5°	2714.5
50°	2381.1
52.5°	1908.6
55°	1381.9
57.5°	962.5
60°	790.5
62.5°	598.2
65°	412.6
67.5°	271.5
70°	196.2
72.5°	159.4
75°	139.2
77.5°	118.9
80°	96.6
82.5°	79.2
85°	71.5
87.5°	73.4
90°	84.1
92.5°	105.3
95°	132.4
97.5°	158.5
100°	171.0
102.5°	170.1
105°	158.5
107.5°	138.2
110°	116.0

TEST NUMBER: P1504261

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3000K_L16_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	94.7
115°	75.4
117.5°	58.9
120°	46.4
122.5°	37.7
125°	30.9
127.5°	27.1
130°	25.1
132.5°	24.2
135°	24.2
137.5°	25.1
140°	25.1
142.5°	25.1
145°	25.1
147.5°	26.1
150°	26.1
152.5°	26.1
155°	25.1
157.5°	24.2
160°	22.2
162.5°	20.3
165°	19.3
167.5°	17.4
170°	16.4
172.5°	15.5
175°	14.5
177.5°	14.5
180°	14.5

(END OF REPORT)