

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: P1504279

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (4000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504279
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

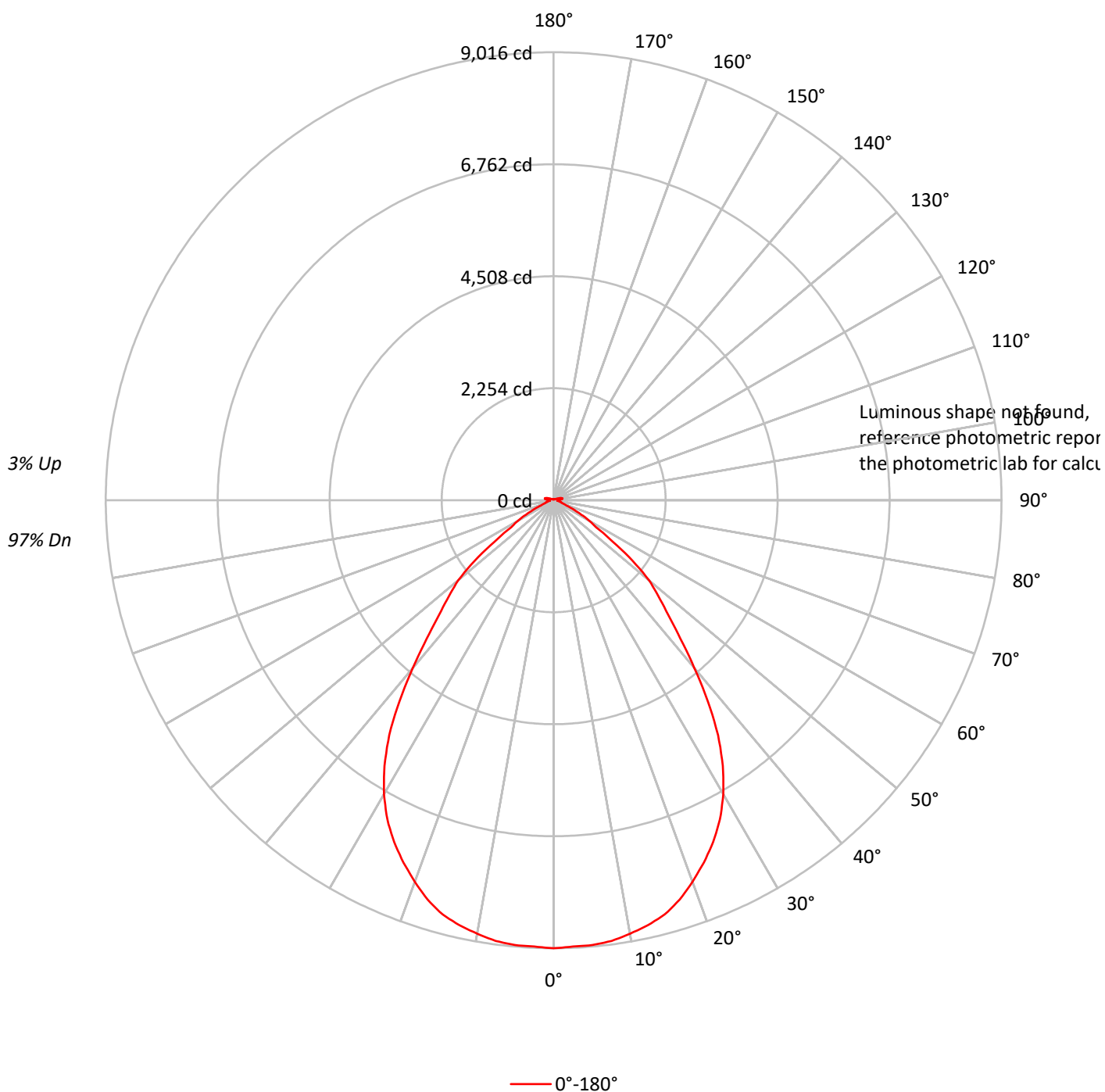
Lumens per Lamp: N/A
Luminaire Lumens: 15436.0 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 99.5
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

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Luminous Intensity Polar Plot



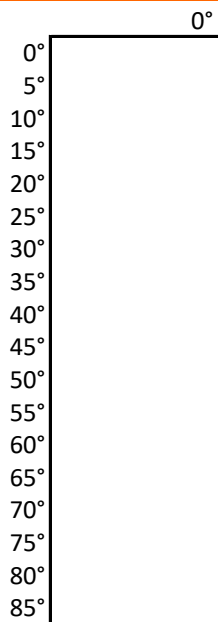
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20						20						20
RC	80					70						30						0
RW	70	50	30	10		70	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
1	111	107	104	101		108	105	102	99		100	98	96		96	94	92	92
2	104	97	92	88		101	95	91	87		91	87	84		88	85	82	84
3	96	88	82	77		94	87	81	76		83	78	74		80	76	73	78
4	90	80	73	68		88	79	72	67		76	71	66		74	69	65	71
5	84	73	66	61		82	72	65	60		70	64	59		68	62	58	66
6	78	67	60	54		76	66	59	54		64	58	53		62	57	53	61
7	73	62	54	49		72	61	54	49		59	53	48		58	52	48	56
8	69	57	50	45		67	56	49	45		55	49	44		54	48	44	52
9	65	53	46	41		63	52	46	41		51	45	41		50	44	40	49
10	61	49	42	38		60	49	42	38		48	42	37		47	41	37	46

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	853.7	5.5
10°-20°	2423.7	15.7
20°-30°	3481.2	22.6
30°-40°	3554.6	23.0
40°-50°	2564.0	16.6
50°-60°	1362.8	8.8
60°-70°	459.7	3.0
70°-80°	156.6	1.0
80°-90°	90.3	0.6
90°-100°	150.2	1.0
100°-110°	170.1	1.1
110°-120°	81.5	0.5
120°-130°	31.2	0.2
130°-140°	20.0	0.1
140°-150°	16.8	0.1
150°-160°	12.2	0.1
160°-170°	5.8	0.0
170°-180°	1.5	0.0
0°-30°	6758.7	43.8
0°-40°	10313.2	66.8
0°-60°	14240.1	92.3
0°-90°	14946.6	96.8
90°-120°	401.8	2.6
90°-150°	469.9	3.0
90°-180°	489.0	3.2
0°-180°	15436.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9016	
5°	8985	854
15°	8632	2424
25°	7596	3481
35°	5769	3555
45°	3254	2564
55°	1454	1363
65°	434	460
75°	146	157
85°	75	68
90°	88	50
95°	139	123
105°	167	170
115°	79	81
125°	32	31
135°	25	20
145°	26	17
155°	26	12
165°	20	6
175°	15	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9015.5
2.5°	8990.1
5°	8985.0
7.5°	8945.4
10°	8856.9
12.5°	8761.3
15°	8632.1
17.5°	8430.7
20°	8171.3
22.5°	7893.7
25°	7595.7
27.5°	7248.8
30°	6829.8
32.5°	6336.5
35°	5769.0
37.5°	5098.7
40°	4409.1
42.5°	3777.5
45°	3253.7
47.5°	2857.0
50°	2506.1
52.5°	2008.8
55°	1454.4
57.5°	1013.0
60°	832.0
62.5°	629.6
65°	434.3
67.5°	285.8
70°	206.5
72.5°	167.8
75°	146.5
77.5°	125.1
80°	101.7
82.5°	83.4
85°	75.3
87.5°	77.3
90°	88.5
92.5°	110.9
95°	139.3
97.5°	166.8
100°	180.0
102.5°	179.0
105°	166.8
107.5°	145.4
110°	122.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	99.7
115°	79.3
117.5°	62.0
120°	48.8
122.5°	39.7
125°	32.5
127.5°	28.5
130°	26.4
132.5°	25.4
135°	25.4
137.5°	26.4
140°	26.4
142.5°	26.4
145°	26.4
147.5°	27.5
150°	27.5
152.5°	27.5
155°	26.4
157.5°	25.4
160°	23.4
162.5°	21.4
165°	20.3
167.5°	18.3
170°	17.3
172.5°	16.3
175°	15.3
177.5°	15.3
180°	15.3

(END OF REPORT)