

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: P1504275

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504275
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-21)
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 (3500K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

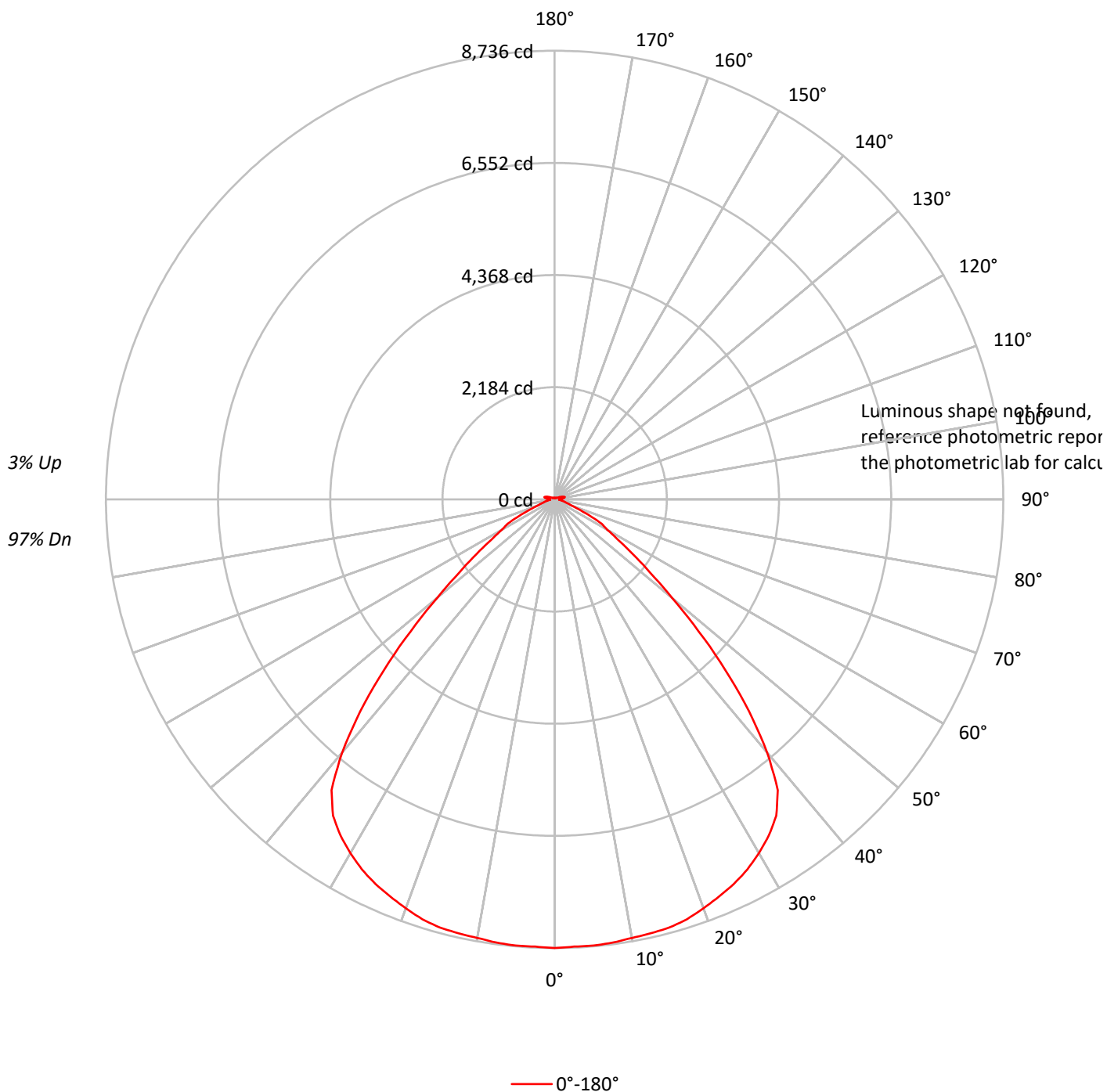
Lumens per Lamp: N/A
Luminaire Lumens: 18725.1 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.7
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					20
RC	80					70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																					
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	97		
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	89	89	86		
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	78	76		
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	69	67		
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	62	60		
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	55	53		
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	49	48		
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	45	43		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	40	39		
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	37	35		
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	34	34	32		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	830.8	4.4
10°-20°	2437.2	13.0
20°-30°	3807.8	20.3
30°-40°	4633.5	24.7
40°-50°	3606.9	19.3
50°-60°	1717.6	9.2
60°-70°	754.1	4.0
70°-80°	242.7	1.3
80°-90°	112.4	0.6
90°-100°	155.9	0.8
100°-110°	196.1	1.0
110°-120°	104.9	0.6
120°-130°	43.0	0.2
130°-140°	29.0	0.2
140°-150°	24.8	0.1
150°-160°	17.7	0.1
160°-170°	8.7	0.0
170°-180°	2.1	0.0
0°-30°	7075.7	37.8
0°-40°	11709.2	62.5
0°-60°	17033.8	91.0
0°-90°	18143.0	96.9
90°-120°	456.9	2.4
90°-150°	553.6	3.0
90°-180°	582.0	3.1
0°-180°	18725.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8736	
5°	8720	831
15°	8632	2437
25°	8260	3808
35°	7519	4633
45°	4704	3607
55°	1849	1718
65°	762	754
75°	223	243
85°	94	88
90°	91	52
95°	142	128
105°	192	196
115°	104	105
125°	45	43
135°	37	29
145°	40	25
155°	38	18
165°	30	9
175°	20	2
180°	19	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8735.6
2.5°	8717.0
5°	8720.5
7.5°	8703.0
10°	8670.4
12.5°	8654.1
15°	8631.9
17.5°	8571.3
20°	8472.3
22.5°	8368.6
25°	8260.2
27.5°	8123.9
30°	7953.8
32.5°	7760.3
35°	7519.1
37.5°	7135.8
40°	6441.3
42.5°	5604.7
45°	4704.0
47.5°	3802.1
50°	2980.6
52.5°	2340.9
55°	1849.2
57.5°	1451.9
60°	1188.5
62.5°	1030.1
65°	762.1
67.5°	502.2
70°	347.2
72.5°	268.0
75°	222.6
77.5°	184.1
80°	144.5
82.5°	113.0
85°	94.4
87.5°	87.4
90°	90.9
92.5°	111.9
95°	142.2
97.5°	174.8
100°	195.8
102.5°	201.6
105°	192.3
107.5°	173.6
110°	150.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	125.8
115°	103.7
117.5°	82.7
120°	66.4
122.5°	53.6
125°	45.4
127.5°	39.6
130°	37.3
132.5°	36.1
135°	37.3
137.5°	38.5
140°	38.5
142.5°	39.6
145°	39.6
147.5°	39.6
150°	39.6
152.5°	39.6
155°	38.5
157.5°	37.3
160°	35.0
162.5°	32.6
165°	30.3
167.5°	28.0
170°	24.5
172.5°	22.1
175°	19.8
177.5°	18.6
180°	18.6

(END OF REPORT)