

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: P1504639

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504639
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-32)
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 (4000K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

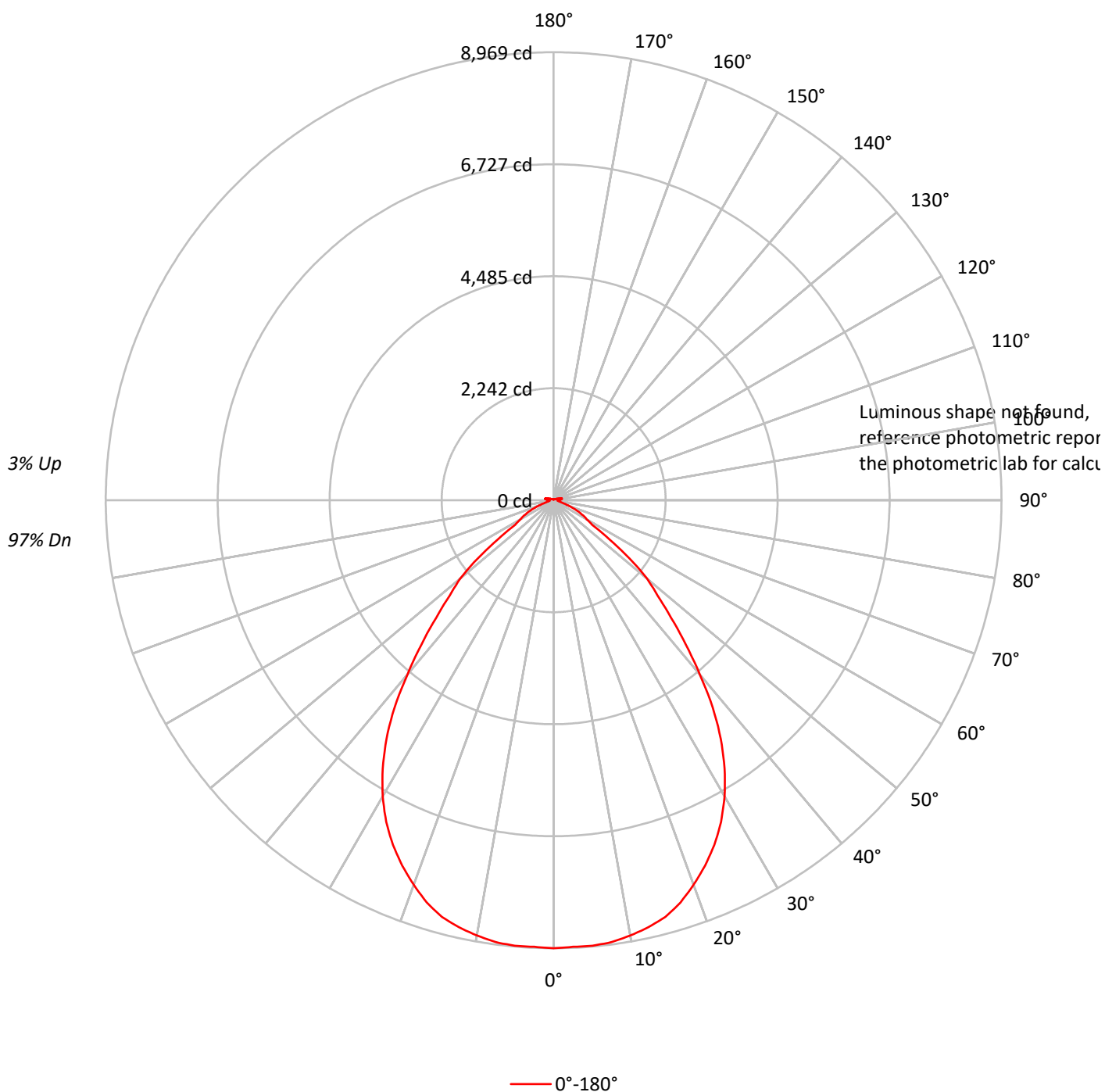
Lumens per Lamp: N/A
Luminaire Lumens: 15553.4 lumens
Efficiency: N/A
Efficacy: 156.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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





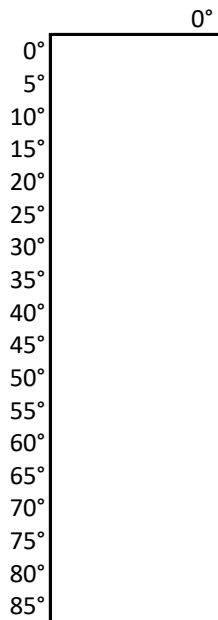
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	84	82	84	82	79	77		
3	96	88	82	77	94	86	80	76	83	78	74	80	76	73	77	74	71	69		
4	90	80	73	68	87	79	72	67	76	70	66	73	69	65	71	67	64	62		
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	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	71	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	42		
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38		
10	61	49	42	38	60	49	42	37	47	41	37	46	41	37	45	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.3	5.5
10°-20°	2425.7	15.6
20°-30°	3489.3	22.4
30°-40°	3607.5	23.2
40°-50°	2603.2	16.7
50°-60°	1283.6	8.3
60°-70°	546.6	3.5
70°-80°	183.2	1.2
80°-90°	92.5	0.6
90°-100°	153.7	1.0
100°-110°	157.7	1.0
110°-120°	75.9	0.5
120°-130°	29.4	0.2
130°-140°	19.3	0.1
140°-150°	15.6	0.1
150°-160°	11.1	0.1
160°-170°	6.0	0.0
170°-180°	1.7	0.0
0°-30°	6766.3	43.5
0°-40°	10373.8	66.7
0°-60°	14260.7	91.7
0°-90°	15083.0	97.0
90°-120°	387.4	2.5
90°-150°	451.6	2.9
90°-180°	470.0	3.0
0°-180°	15553.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8969	
5°	8952	851
15°	8637	2426
25°	7612	3489
35°	5837	3608
45°	3328	2603
55°	1361	1284
65°	564	547
75°	154	183
85°	77	68
90°	95	53
95°	145	125
105°	153	158
115°	74	76
125°	30	29
135°	24	19
145°	24	16
155°	24	11
165°	21	6
175°	17	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8968.8
2.5°	8949.4
5°	8952.5
7.5°	8922.0
10°	8846.7
12.5°	8758.2
15°	8637.2
17.5°	8444.9
20°	8192.7
22.5°	7918.1
25°	7611.9
27.5°	7261.0
30°	6845.1
32.5°	6372.1
35°	5837.1
37.5°	5239.1
40°	4554.6
42.5°	3916.8
45°	3327.9
47.5°	2821.4
50°	2439.0
52.5°	1916.2
55°	1360.9
57.5°	911.3
60°	768.9
62.5°	667.2
65°	564.5
67.5°	440.4
70°	315.3
72.5°	213.6
75°	153.6
77.5°	122.1
80°	97.6
82.5°	83.4
85°	77.3
87.5°	82.4
90°	94.6
92.5°	118.0
95°	145.4
97.5°	166.8
100°	172.9
102.5°	166.8
105°	152.6
107.5°	133.2
110°	112.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	92.6
115°	74.2
117.5°	58.0
120°	45.8
122.5°	36.6
125°	30.5
127.5°	27.5
130°	25.4
132.5°	24.4
135°	24.4
137.5°	25.4
140°	25.4
142.5°	25.4
145°	24.4
147.5°	24.4
150°	24.4
152.5°	24.4
155°	24.4
157.5°	23.4
160°	23.4
162.5°	22.4
165°	21.4
167.5°	19.3
170°	18.3
172.5°	17.3
175°	17.3
177.5°	18.3
180°	18.3

(END OF REPORT)