

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: P1504630

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504630
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

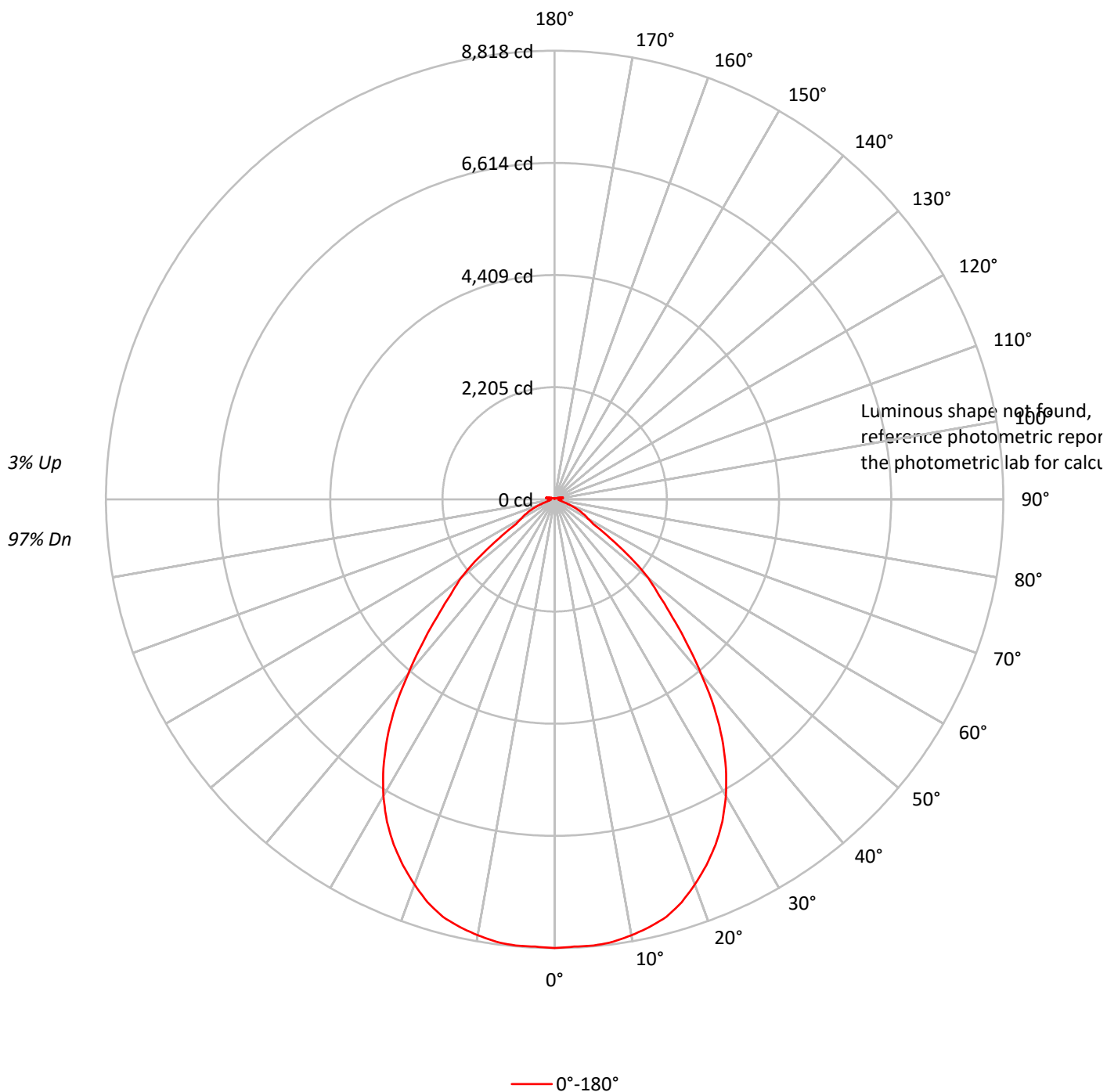
Lumens per Lamp: N/A
Luminaire Lumens: 15292.0 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 100.3
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

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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°	837.0	5.5
10°-20°	2384.9	15.6
20°-30°	3430.6	22.4
30°-40°	3546.9	23.2
40°-50°	2559.5	16.7
50°-60°	1262.1	8.3
60°-70°	537.4	3.5
70°-80°	180.1	1.2
80°-90°	91.0	0.6
90°-100°	151.1	1.0
100°-110°	155.1	1.0
110°-120°	74.6	0.5
120°-130°	28.9	0.2
130°-140°	19.0	0.1
140°-150°	15.3	0.1
150°-160°	11.0	0.1
160°-170°	5.9	0.0
170°-180°	1.7	0.0
0°-30°	6652.6	43.5
0°-40°	10199.4	66.7
0°-60°	14021.0	91.7
0°-90°	14829.5	97.0
90°-120°	380.9	2.5
90°-150°	444.0	2.9
90°-180°	463.0	3.0
0°-180°	15292.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8818	
5°	8802	837
15°	8492	2385
25°	7484	3431
35°	5739	3547
45°	3272	2559
55°	1338	1262
65°	555	537
75°	151	180
85°	76	67
90°	93	52
95°	143	123
105°	150	155
115°	73	75
125°	30	29
135°	24	19
145°	24	15
155°	24	11
165°	21	6
175°	17	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8818
2.5°	8799
5°	8802
7.5°	8772
10°	8698
12.5°	8611
15°	8492
17.5°	8303
20°	8055
22.5°	7785
25°	7484
27.5°	7139
30°	6730
32.5°	6265
35°	5739
37.5°	5151
40°	4478
42.5°	3851
45°	3272
47.5°	2774
50°	2398
52.5°	1884
55°	1338
57.5°	896
60°	756
62.5°	656
65°	555
67.5°	433
70°	310
72.5°	210
75°	151
77.5°	120
80°	96
82.5°	82
85°	76
87.5°	81
90°	93
92.5°	116
95°	143
97.5°	164
100°	170
102.5°	164
105°	150
107.5°	131
110°	111

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	91
115°	73
117.5°	57
120°	45
122.5°	36
125°	30
127.5°	27
130°	25
132.5°	24
135°	24
137.5°	25
140°	25
142.5°	25
145°	24
147.5°	24
150°	24
152.5°	24
155°	24
157.5°	23
160°	23
162.5°	22
165°	21
167.5°	19
170°	18
172.5°	17
175°	17
177.5°	18
180°	18

(END OF REPORT)