

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: P1504631

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504631
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-31)
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_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

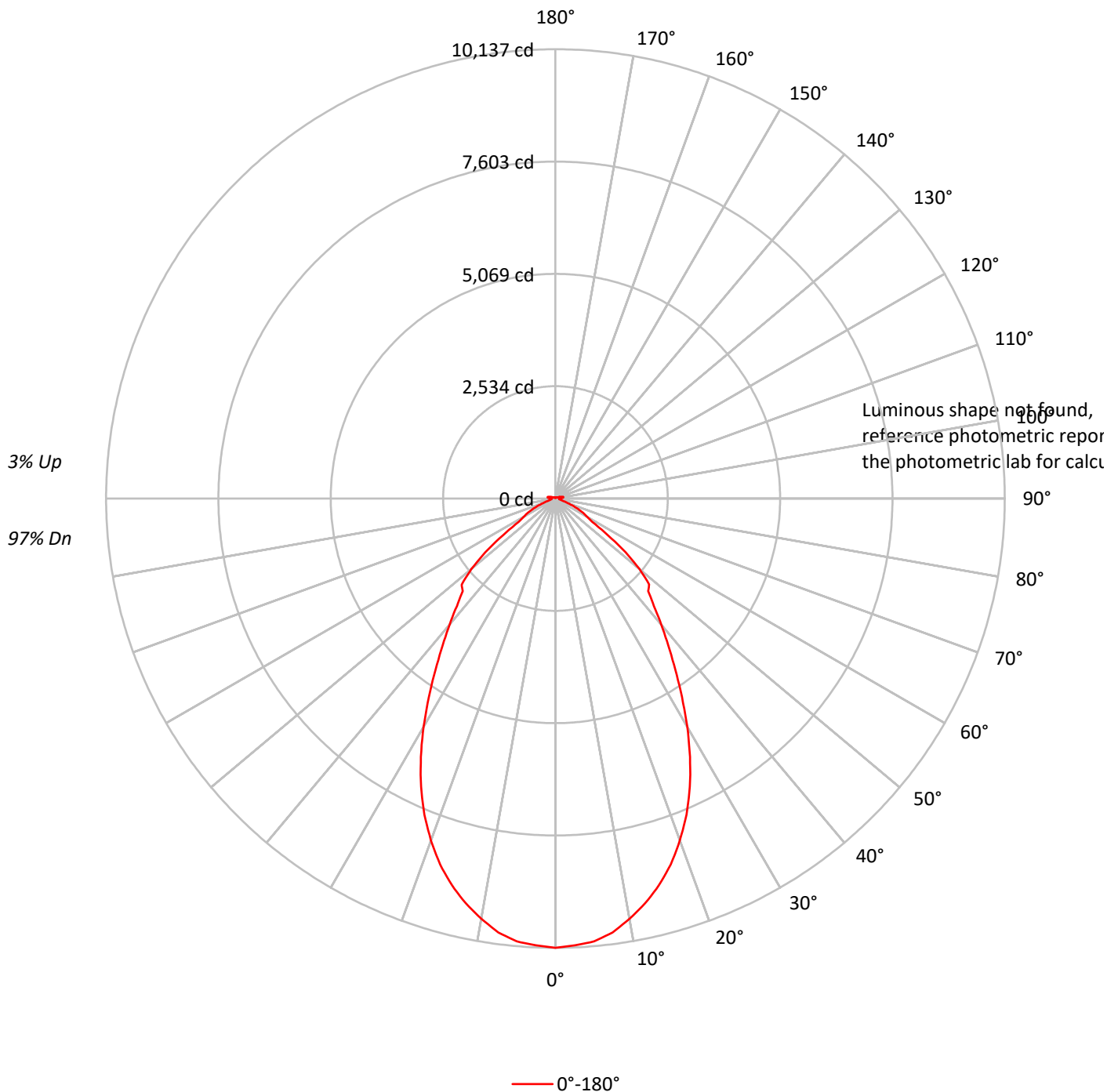
Lumens per Lamp: N/A
Luminaire Lumens: 14688.1 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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	85	82	84	82	80	77		
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	74	66	61	82	72	66	60	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	58	54	63	57	53	61	56	53	51		
7	74	62	55	50	72	61	55	50	60	54	49	58	53	49	57	52	48	46		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	42		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	49	44	41	39		
10	62	50	43	39	60	50	43	39	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	944.5	6.4
10°-20°	2527.8	17.2
20°-30°	3272.4	22.3
30°-40°	2959.9	20.2
40°-50°	2351.8	16.0
50°-60°	1344.4	9.2
60°-70°	553.6	3.8
70°-80°	163.2	1.1
80°-90°	95.2	0.6
90°-100°	165.3	1.1
100°-110°	160.6	1.1
110°-120°	73.4	0.5
120°-130°	27.1	0.2
130°-140°	17.4	0.1
140°-150°	14.1	0.1
150°-160°	10.1	0.1
160°-170°	5.7	0.0
170°-180°	1.7	0.0
0°-30°	6744.8	45.9
0°-40°	9704.6	66.1
0°-60°	13400.8	91.2
0°-90°	14212.7	96.8
90°-120°	399.3	2.7
90°-150°	457.8	3.1
90°-180°	475.0	3.2
0°-180°	14688.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10137	
5°	10030	944
15°	9030	2528
25°	7175	3272
35°	4709	2960
45°	2954	2352
55°	1440	1344
65°	568	554
75°	137	163
85°	80	69
90°	104	58
95°	157	133
105°	154	161
115°	71	73
125°	28	27
135°	22	17
145°	22	14
155°	22	10
165°	20	6
175°	17	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10137
2.5°	10088
5°	10030
7.5°	9874
10°	9629
12.5°	9353
15°	9030
17.5°	8656
20°	8208
22.5°	7721
25°	7175
27.5°	6574
30°	5944
32.5°	5310
35°	4709
37.5°	4175
40°	3712
42.5°	3291
45°	2954
47.5°	2870
50°	2470
52.5°	1991
55°	1440
57.5°	982
60°	829
62.5°	703
65°	568
67.5°	420
70°	279
72.5°	183
75°	137
77.5°	113
80°	94
82.5°	82
85°	80
87.5°	88
90°	104
92.5°	130
95°	157
97.5°	177
100°	181
102.5°	172
105°	154
107.5°	134
110°	111

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	91
115°	71
117.5°	55
120°	43
122.5°	34
125°	28
127.5°	25
130°	23
132.5°	22
135°	22
137.5°	23
140°	23
142.5°	23
145°	22
147.5°	22
150°	22
152.5°	22
155°	22
157.5°	22
160°	21
162.5°	21
165°	20
167.5°	19
170°	18
172.5°	18
175°	17
177.5°	18
180°	18

(END OF REPORT)