

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: P1504292

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504292
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-19)
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 (5000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

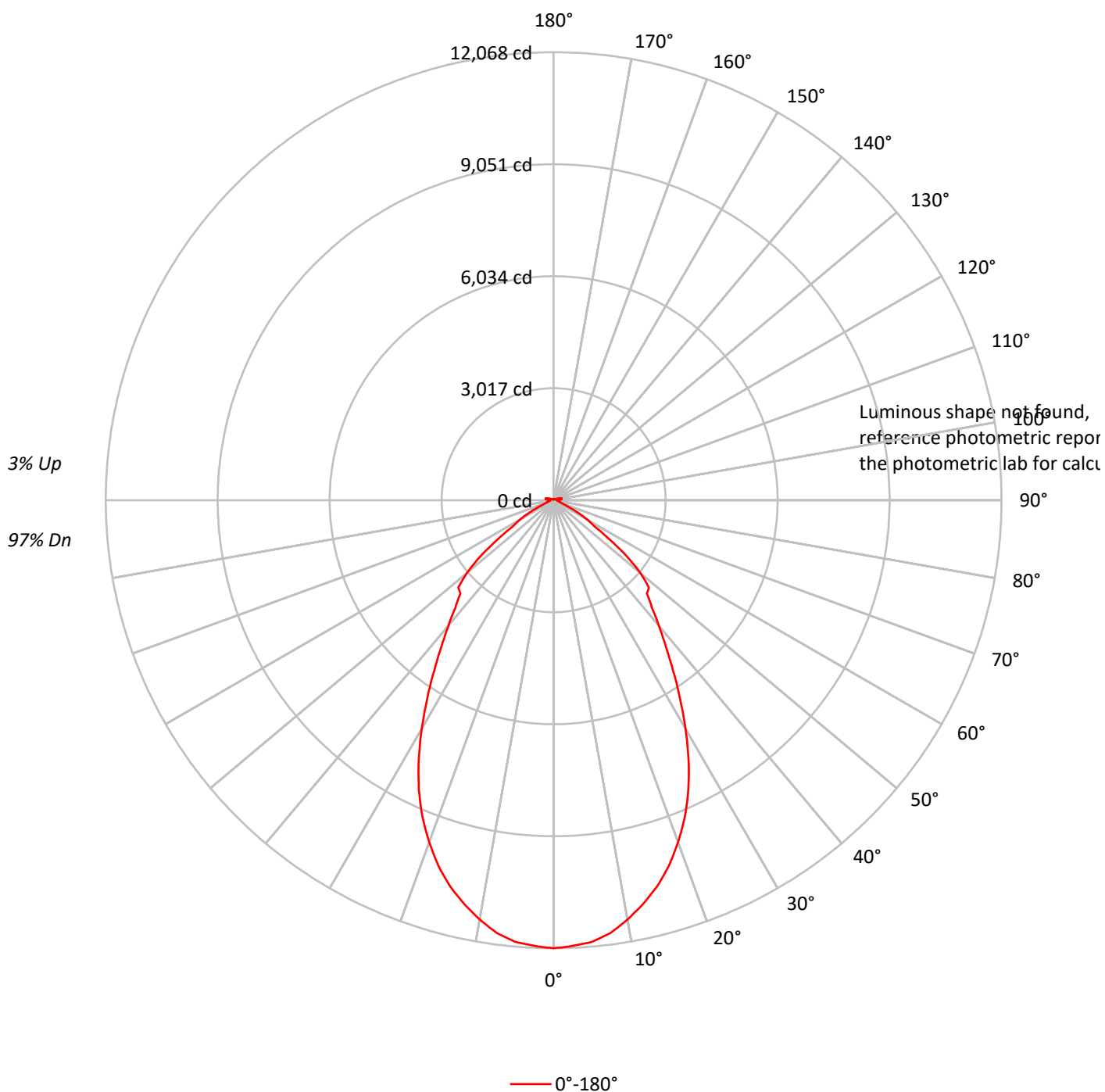
Lumens per Lamp: N/A
Luminaire Lumens: 17556.0 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.1
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	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	62		
5	84	74	66	61	82	72	66	61	70	64	60	68	63	59	66	61	58	56		
6	79	68	60	55	77	67	60	55	65	59	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°	1124.6	6.4
10°-20°	3014.6	17.2
20°-30°	3916.4	22.3
30°-40°	3528.0	20.1
40°-50°	2831.1	16.1
50°-60°	1701.7	9.7
60°-70°	557.1	3.2
70°-80°	178.2	1.0
80°-90°	111.9	0.6
90°-100°	192.4	1.1
100°-110°	208.4	1.2
110°-120°	95.5	0.5
120°-130°	35.3	0.2
130°-140°	21.5	0.1
140°-150°	18.1	0.1
150°-160°	13.1	0.1
160°-170°	6.5	0.0
170°-180°	1.8	0.0
0°-30°	8055.6	45.9
0°-40°	11583.6	66.0
0°-60°	16116.3	91.8
0°-90°	16963.4	96.6
90°-120°	496.2	2.8
90°-150°	571.2	3.3
90°-180°	593.0	3.4
0°-180°	17556.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12068	
5°	11940	###
15°	10771	3015
25°	8594	3916
35°	5614	3528
45°	3552	2831
55°	1834	1702
65°	508	557
75°	166	178
85°	93	82
90°	116	65
95°	180	156
105°	204	208
115°	92	95
125°	37	35
135°	28	22
145°	29	18
155°	29	13
165°	23	7
175°	18	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12067.6
2.5°	12014.9
5°	11939.5
7.5°	11756.3
10°	11466.5
12.5°	11139.6
15°	10770.8
17.5°	10327.7
20°	9805.7
22.5°	9236.9
25°	8593.9
27.5°	7874.2
30°	7107.9
32.5°	6343.9
35°	5613.5
37.5°	4960.9
40°	4408.9
42.5°	3918.0
45°	3551.5
47.5°	3482.1
50°	3059.4
52.5°	2484.6
55°	1834.4
57.5°	1288.4
60°	1064.5
62.5°	785.5
65°	507.7
67.5°	325.7
70°	232.3
72.5°	189.2
75°	166.4
77.5°	143.7
80°	119.7
82.5°	99.4
85°	93.4
87.5°	99.4
90°	116.1
92.5°	146.1
95°	179.6
97.5°	209.5
100°	225.1
102.5°	221.5
105°	203.6
107.5°	176.0
110°	146.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	117.3
115°	92.2
117.5°	71.8
120°	56.3
122.5°	44.3
125°	37.1
127.5°	32.3
130°	28.7
132.5°	27.5
135°	27.5
137.5°	27.5
140°	28.7
142.5°	28.7
145°	28.7
147.5°	28.7
150°	29.9
152.5°	28.7
155°	28.7
157.5°	27.5
160°	25.1
162.5°	23.9
165°	22.8
167.5°	21.6
170°	20.4
172.5°	19.2
175°	18.0
177.5°	18.0
180°	18.0

(END OF REPORT)