

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: P1504654

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504654
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 (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

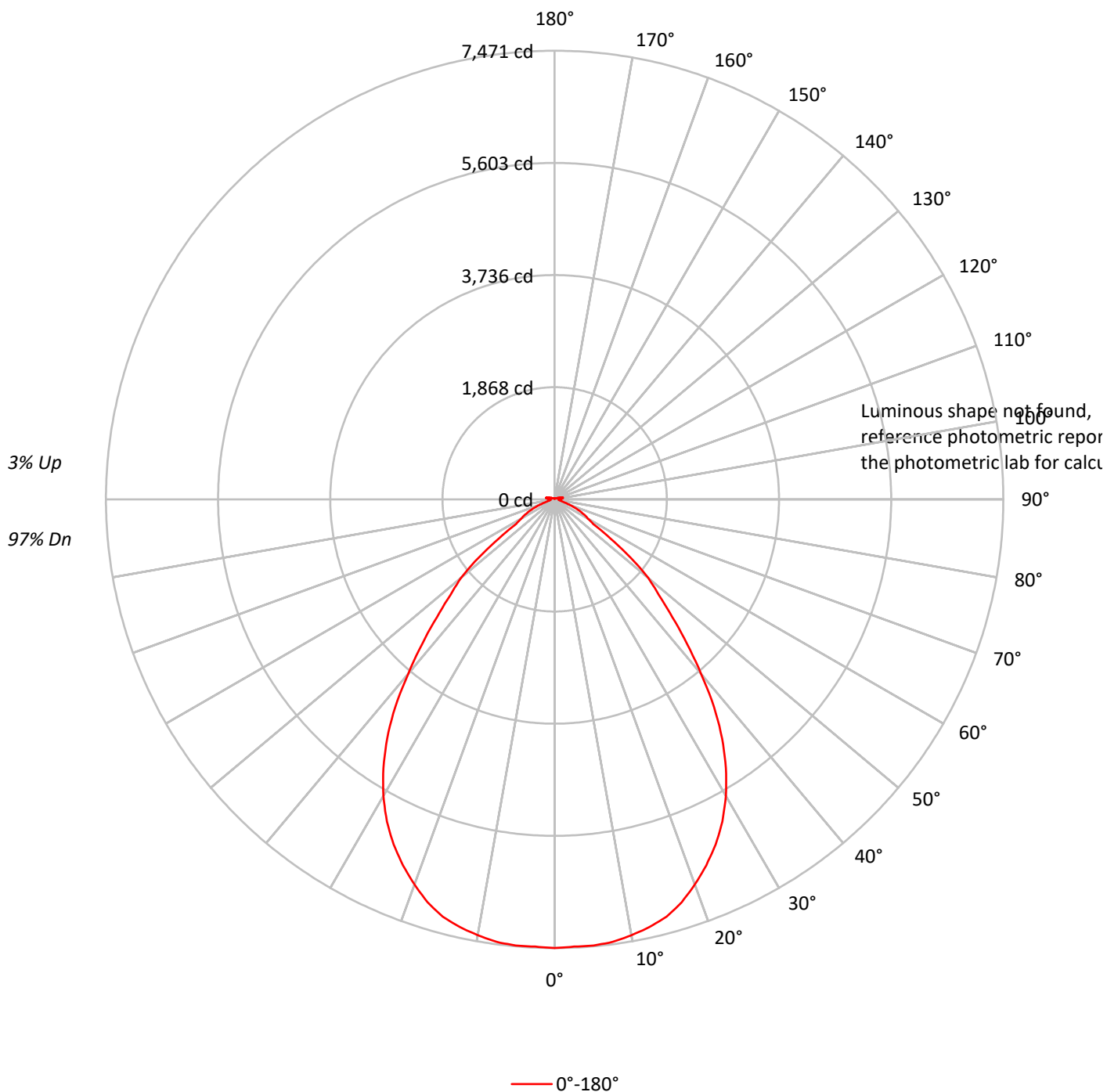
Lumens per Lamp: N/A
Luminaire Lumens: 12955.5 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 83
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



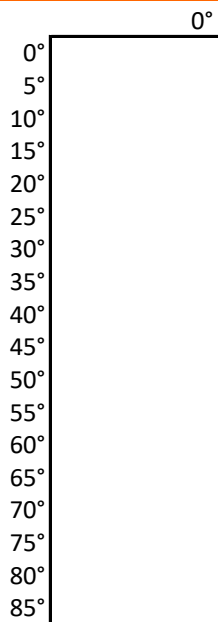
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	50	30	10
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97	97	97
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87	87	87
2	103	97	92	88	101	95	90	86	91	87	84	88	84	82	84	82	79	77	77	77
3	96	88	82	77	94	86	80	76	83	78	74	80	76	73	77	74	71	69	69	69
4	90	80	73	68	87	79	72	67	76	70	66	73	69	65	71	67	64	62	62	62
5	84	73	66	60	82	72	65	60	70	64	59	68	62	58	66	61	57	56	56	56
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50	50	50
7	73	62	54	49	71	61	54	49	59	53	48	58	52	48	56	51	47	46	46	46
8	69	57	50	45	67	56	49	44	55	49	44	53	48	44	52	47	43	42	42	42
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	43	40	38	38	38
10	61	49	42	38	60	49	42	37	47	41	37	46	41	37	45	40	37	35	35	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°	709.1	5.5
10°-20°	2020.5	15.6
20°-30°	2906.5	22.4
30°-40°	3004.9	23.2
40°-50°	2168.4	16.7
50°-60°	1069.2	8.3
60°-70°	455.3	3.5
70°-80°	152.6	1.2
80°-90°	77.1	0.6
90°-100°	128.1	1.0
100°-110°	131.4	1.0
110°-120°	63.2	0.5
120°-130°	24.5	0.2
130°-140°	16.1	0.1
140°-150°	13.0	0.1
150°-160°	9.3	0.1
160°-170°	5.0	0.0
170°-180°	1.4	0.0
0°-30°	5636.1	43.5
0°-40°	8641.0	66.7
0°-60°	11878.7	91.7
0°-90°	12563.7	97.0
90°-120°	322.6	2.5
90°-150°	376.1	2.9
90°-180°	392.0	3.0
0°-180°	12955.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7471	
5°	7457	709
15°	7194	2021
25°	6340	2906
35°	4862	3005
45°	2772	2168
55°	1134	1069
65°	470	455
75°	128	153
85°	64	57
90°	79	44
95°	121	104
105°	127	131
115°	62	63
125°	25	24
135°	20	16
145°	20	13
155°	20	9
165°	18	5
175°	14	1
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7470.7
2.5°	7454.6
5°	7457.1
7.5°	7431.7
10°	7369.0
12.5°	7295.3
15°	7194.5
17.5°	7034.4
20°	6824.3
22.5°	6595.5
25°	6340.5
27.5°	6048.2
30°	5701.7
32.5°	5307.8
35°	4862.1
37.5°	4364.0
40°	3793.8
42.5°	3262.6
45°	2772.1
47.5°	2350.2
50°	2031.6
52.5°	1596.1
55°	1133.6
57.5°	759.1
60°	640.5
62.5°	555.8
65°	470.2
67.5°	366.8
70°	262.6
72.5°	177.9
75°	127.9
77.5°	101.7
80°	81.3
82.5°	69.5
85°	64.4
87.5°	68.6
90°	78.8
92.5°	98.3
95°	121.2
97.5°	138.9
100°	144.0
102.5°	138.9
105°	127.1
107.5°	111.0
110°	94.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	77.1
115°	61.8
117.5°	48.3
120°	38.1
122.5°	30.5
125°	25.4
127.5°	22.9
130°	21.2
132.5°	20.3
135°	20.3
137.5°	21.2
140°	21.2
142.5°	21.2
145°	20.3
147.5°	20.3
150°	20.3
152.5°	20.3
155°	20.3
157.5°	19.5
160°	19.5
162.5°	18.6
165°	17.8
167.5°	16.1
170°	15.2
172.5°	14.4
175°	14.4
177.5°	15.2
180°	15.2

(END OF REPORT)