

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: P1504636

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504636
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_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

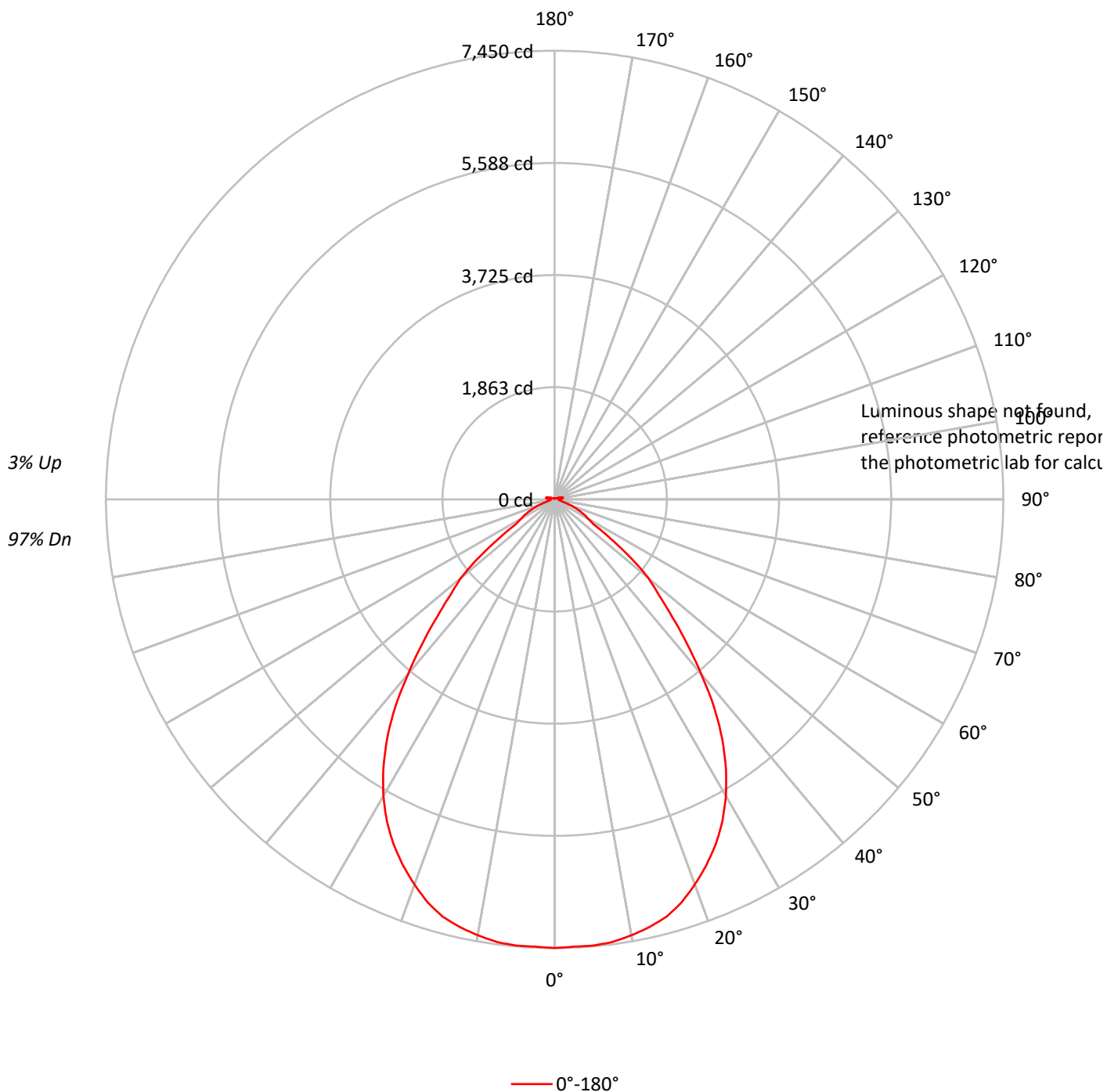
Lumens per Lamp: N/A
Luminaire Lumens: 12919.3 lumens
Efficiency: N/A
Efficacy: 160.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 80.7
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



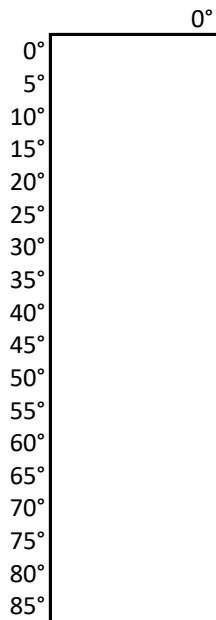
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	707.1	5.5
10°-20°	2014.9	15.6
20°-30°	2898.3	22.4
30°-40°	2996.5	23.2
40°-50°	2162.4	16.7
50°-60°	1066.3	8.3
60°-70°	454.0	3.5
70°-80°	152.2	1.2
80°-90°	76.8	0.6
90°-100°	127.7	1.0
100°-110°	131.0	1.0
110°-120°	63.1	0.5
120°-130°	24.4	0.2
130°-140°	16.0	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°	5620.3	43.5
0°-40°	8616.8	66.7
0°-60°	11845.4	91.7
0°-90°	12528.5	97.0
90°-120°	321.8	2.5
90°-150°	375.2	2.9
90°-180°	391.0	3.0
0°-180°	12919.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7450	
5°	7436	707
15°	7174	2015
25°	6323	2898
35°	4848	2997
45°	2764	2162
55°	1130	1066
65°	469	454
75°	128	152
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°	7449.7
2.5°	7433.7
5°	7436.2
7.5°	7410.9
10°	7348.4
12.5°	7274.9
15°	7174.3
17.5°	7014.7
20°	6805.1
22.5°	6577.0
25°	6322.7
27.5°	6031.3
30°	5685.7
32.5°	5292.9
35°	4848.5
37.5°	4351.7
40°	3783.2
42.5°	3253.5
45°	2764.3
47.5°	2343.6
50°	2025.9
52.5°	1591.7
55°	1130.4
57.5°	757.0
60°	638.7
62.5°	554.2
65°	468.9
67.5°	365.8
70°	261.9
72.5°	177.4
75°	127.6
77.5°	101.4
80°	81.1
82.5°	69.3
85°	64.2
87.5°	68.4
90°	78.6
92.5°	98.0
95°	120.8
97.5°	138.6
100°	143.6
102.5°	138.6
105°	126.7
107.5°	110.7
110°	93.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	76.9
115°	61.7
117.5°	48.2
120°	38.0
122.5°	30.4
125°	25.3
127.5°	22.8
130°	21.1
132.5°	20.3
135°	20.3
137.5°	21.1
140°	21.1
142.5°	21.1
145°	20.3
147.5°	20.3
150°	20.3
152.5°	20.3
155°	20.3
157.5°	19.4
160°	19.4
162.5°	18.6
165°	17.7
167.5°	16.1
170°	15.2
172.5°	14.4
175°	14.4
177.5°	15.2
180°	15.2

(END OF REPORT)