

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: P1504286

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504286
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_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

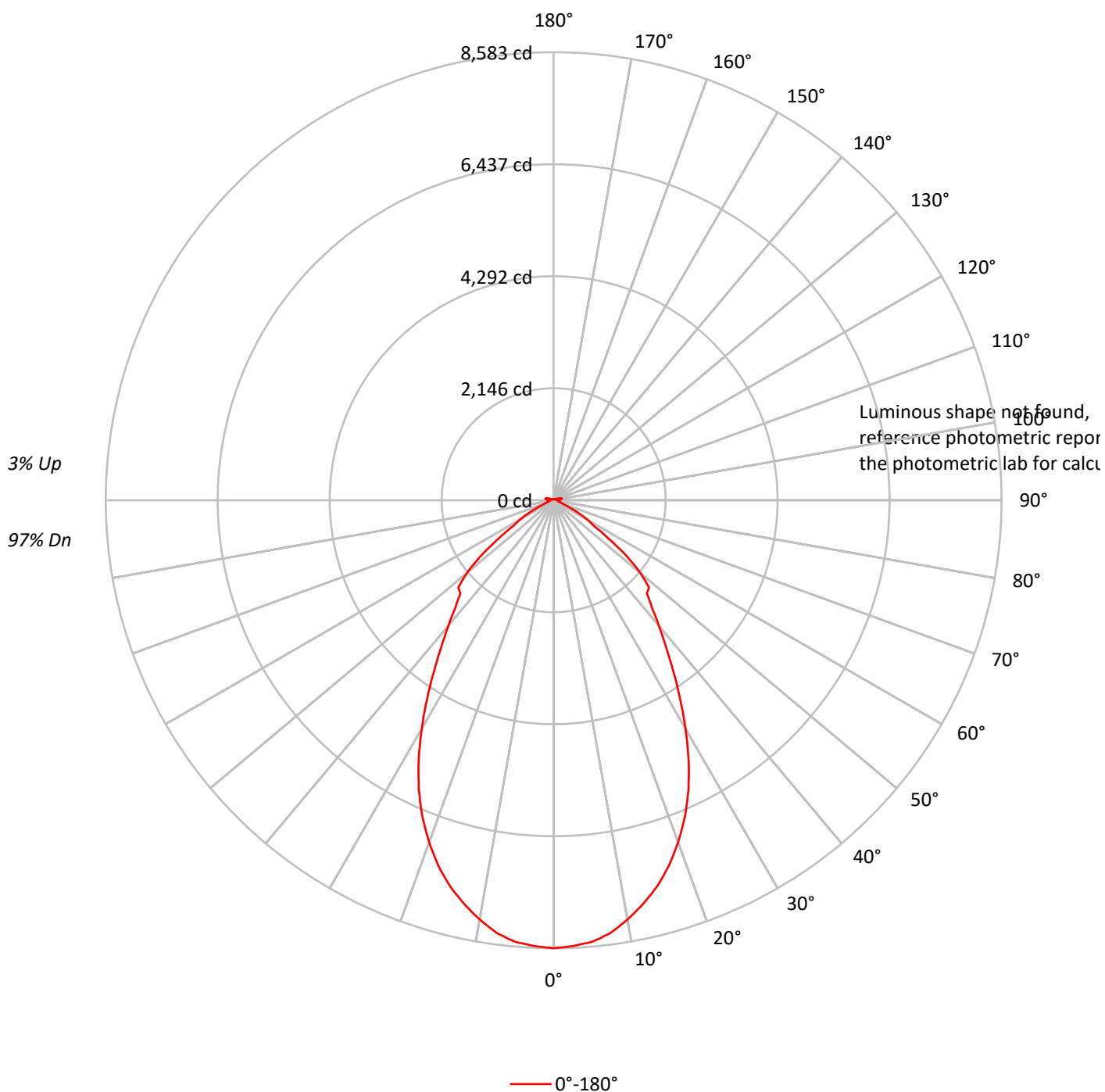
Lumens per Lamp: N/A
Luminaire Lumens: 12487.2 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.1
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°	799.9	6.4
10°-20°	2144.2	17.2
20°-30°	2785.6	22.3
30°-40°	2509.3	20.1
40°-50°	2013.6	16.1
50°-60°	1210.4	9.7
60°-70°	396.3	3.2
70°-80°	126.8	1.0
80°-90°	79.6	0.6
90°-100°	136.8	1.1
100°-110°	148.2	1.2
110°-120°	67.9	0.5
120°-130°	25.1	0.2
130°-140°	15.3	0.1
140°-150°	12.9	0.1
150°-160°	9.3	0.1
160°-170°	4.6	0.0
170°-180°	1.3	0.0
0°-30°	5729.7	45.9
0°-40°	8239.0	66.0
0°-60°	11463.0	91.8
0°-90°	12065.7	96.6
90°-120°	353.0	2.8
90°-150°	406.3	3.3
90°-180°	422.0	3.4
0°-180°	12487.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8583	
5°	8492	800
15°	7661	2144
25°	6113	2786
35°	3993	2509
45°	2526	2014
55°	1305	1210
65°	361	396
75°	118	127
85°	66	59
90°	83	47
95°	128	111
105°	145	148
115°	66	68
125°	26	25
135°	20	15
145°	20	13
155°	20	9
165°	16	5
175°	13	1
180°	13	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8583.3
2.5°	8545.9
5°	8492.2
7.5°	8361.9
10°	8155.8
12.5°	7923.3
15°	7660.9
17.5°	7345.8
20°	6974.5
22.5°	6569.9
25°	6112.6
27.5°	5600.7
30°	5055.6
32.5°	4512.3
35°	3992.7
37.5°	3528.5
40°	3135.9
42.5°	2786.7
45°	2526.1
47.5°	2476.7
50°	2176.1
52.5°	1767.3
55°	1304.8
57.5°	916.4
60°	757.2
62.5°	558.7
65°	361.1
67.5°	231.7
70°	165.2
72.5°	134.6
75°	118.4
77.5°	102.2
80°	85.2
82.5°	70.7
85°	66.4
87.5°	70.7
90°	82.6
92.5°	103.9
95°	127.8
97.5°	149.0
100°	160.1
102.5°	157.6
105°	144.8
107.5°	125.2
110°	103.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	83.5
115°	65.6
117.5°	51.1
120°	40.0
122.5°	31.5
125°	26.4
127.5°	23.0
130°	20.4
132.5°	19.6
135°	19.6
137.5°	19.6
140°	20.4
142.5°	20.4
145°	20.4
147.5°	20.4
150°	21.3
152.5°	20.4
155°	20.4
157.5°	19.6
160°	17.9
162.5°	17.0
165°	16.2
167.5°	15.3
170°	14.5
172.5°	13.6
175°	12.8
177.5°	12.8
180°	12.8

(END OF REPORT)