

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: P1504295

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504295
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

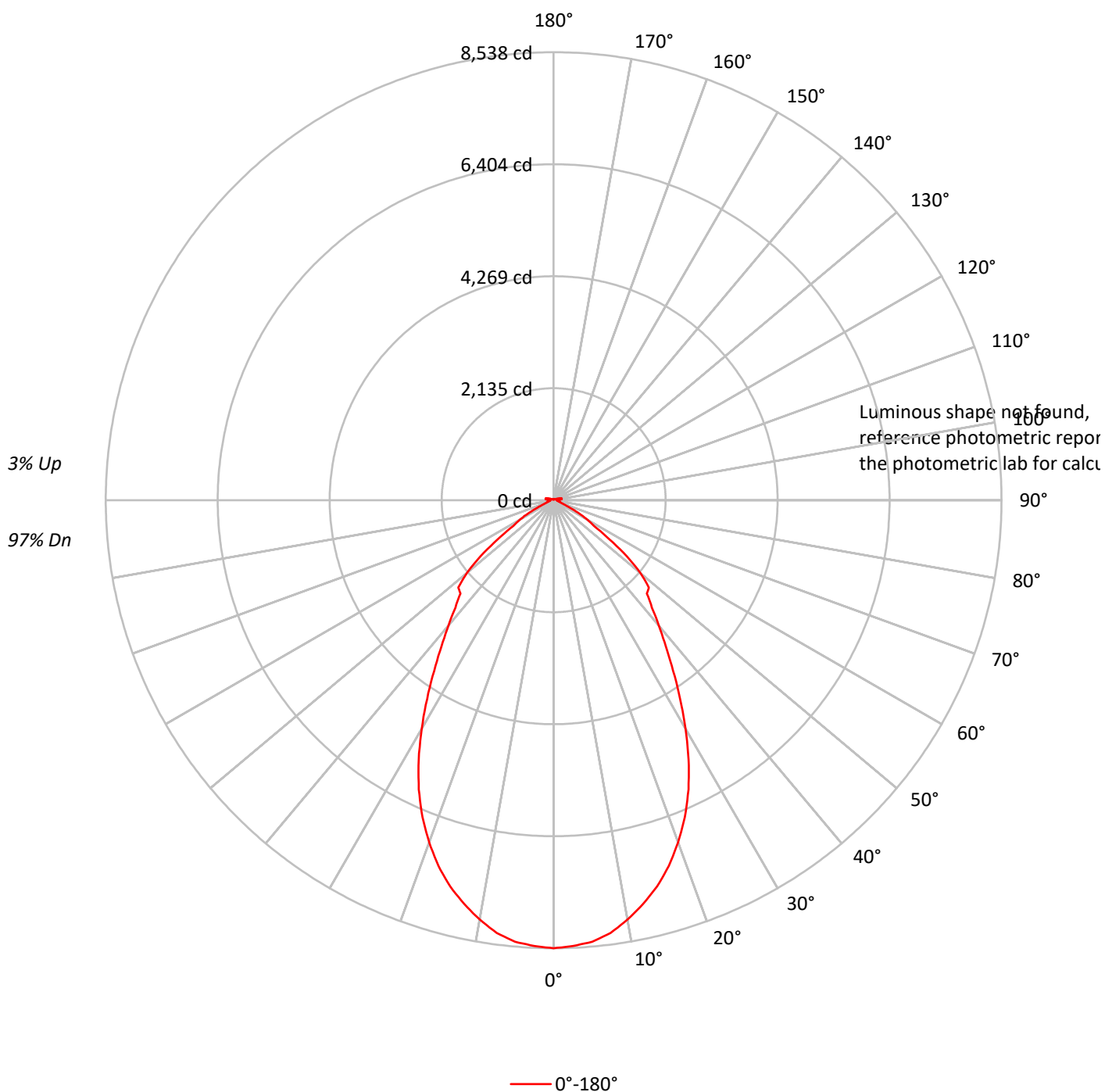
Lumens per Lamp: N/A
Luminaire Lumens: 12421.5 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 1
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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



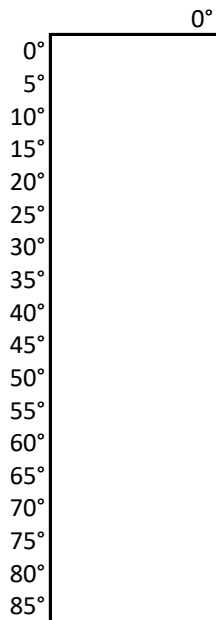
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	795.7	6.4
10°-20°	2132.9	17.2
20°-30°	2771.0	22.3
30°-40°	2496.1	20.1
40°-50°	2003.1	16.1
50°-60°	1204.0	9.7
60°-70°	394.2	3.2
70°-80°	126.1	1.0
80°-90°	79.1	0.6
90°-100°	136.2	1.1
100°-110°	147.4	1.2
110°-120°	67.6	0.5
120°-130°	25.0	0.2
130°-140°	15.3	0.1
140°-150°	12.8	0.1
150°-160°	9.2	0.1
160°-170°	4.6	0.0
170°-180°	1.3	0.0
0°-30°	5699.5	45.9
0°-40°	8195.7	66.0
0°-60°	11402.7	91.8
0°-90°	12002.2	96.6
90°-120°	351.1	2.8
90°-150°	404.2	3.3
90°-180°	419.0	3.4
0°-180°	12421.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8538	
5°	8448	796
15°	7621	2133
25°	6080	2771
35°	3972	2496
45°	2513	2003
55°	1298	1204
65°	359	394
75°	118	126
85°	66	58
90°	82	46
95°	127	111
105°	144	147
115°	65	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°	8538.2
2.5°	8500.9
5°	8447.5
7.5°	8317.9
10°	8112.9
12.5°	7881.6
15°	7620.6
17.5°	7307.2
20°	6937.8
22.5°	6535.4
25°	6080.4
27.5°	5571.2
30°	5029.0
32.5°	4488.5
35°	3971.7
37.5°	3510.0
40°	3119.4
42.5°	2772.1
45°	2512.8
47.5°	2463.7
50°	2164.6
52.5°	1758.0
55°	1297.9
57.5°	911.6
60°	753.2
62.5°	555.8
65°	359.2
67.5°	230.4
70°	164.4
72.5°	133.9
75°	117.8
77.5°	101.7
80°	84.7
82.5°	70.3
85°	66.1
87.5°	70.3
90°	82.2
92.5°	103.4
95°	127.1
97.5°	148.3
100°	159.3
102.5°	156.7
105°	144.0
107.5°	124.5
110°	103.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	83.0
115°	65.2
117.5°	50.8
120°	39.8
122.5°	31.3
125°	26.3
127.5°	22.9
130°	20.3
132.5°	19.5
135°	19.5
137.5°	19.5
140°	20.3
142.5°	20.3
145°	20.3
147.5°	20.3
150°	21.2
152.5°	20.3
155°	20.3
157.5°	19.5
160°	17.8
162.5°	16.9
165°	16.1
167.5°	15.2
170°	14.4
172.5°	13.6
175°	12.7
177.5°	12.7
180°	12.7

(END OF REPORT)