

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: P1504296

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-CLER-PS (6500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504296
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-21)
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_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

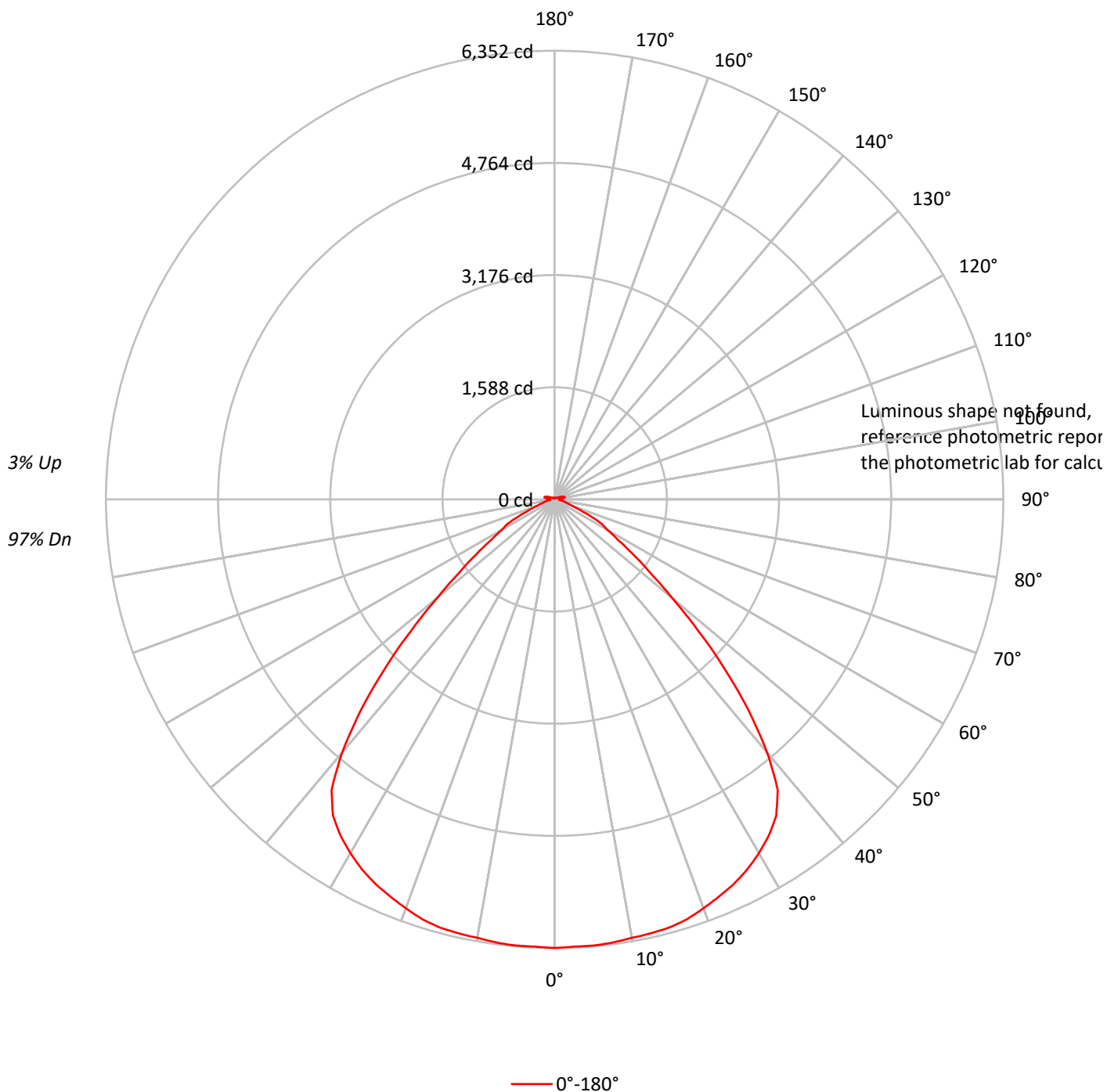
Lumens per Lamp: N/A
Luminaire Lumens: 13614.7 lumens
Efficiency: N/A
Efficacy: 164.0 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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					0
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	99	97		
1	111	107	104	101	108	104	101	99	100	97	95	95	93	92	91	90	89	89	86		
2	103	96	91	86	100	94	89	85	90	86	83	87	83	80	83	81	78	78	76		
3	95	87	80	75	93	85	79	74	82	77	72	79	74	71	76	72	69	69	67		
4	88	78	71	66	86	77	70	65	74	68	64	72	67	63	69	65	62	62	60		
5	82	71	64	58	80	70	63	58	68	61	57	66	60	56	64	59	55	55	53		
6	77	65	57	52	75	64	57	51	62	55	51	60	54	50	58	53	49	49	48		
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	45	43		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	50	44	40	40	39		
9	63	50	43	38	61	50	43	38	48	42	38	47	41	37	46	41	37	37	35		
10	59	47	40	35	57	46	39	35	45	39	34	44	38	34	43	38	34	34	32		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.0	4.4
10°-20°	1772.0	13.0
20°-30°	2768.6	20.3
30°-40°	3368.9	24.7
40°-50°	2622.5	19.3
50°-60°	1248.8	9.2
60°-70°	548.2	4.0
70°-80°	176.5	1.3
80°-90°	81.7	0.6
90°-100°	113.4	0.8
100°-110°	142.5	1.0
110°-120°	76.3	0.6
120°-130°	31.2	0.2
130°-140°	21.1	0.2
140°-150°	18.0	0.1
150°-160°	12.9	0.1
160°-170°	6.3	0.0
170°-180°	1.5	0.0
0°-30°	5144.6	37.8
0°-40°	8513.6	62.5
0°-60°	12384.9	91.0
0°-90°	13191.4	96.9
90°-120°	332.2	2.4
90°-150°	402.5	3.0
90°-180°	423.0	3.1
0°-180°	13614.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6352	
5°	6340	604
15°	6276	1772
25°	6006	2769
35°	5467	3369
45°	3420	2623
55°	1344	1249
65°	554	548
75°	162	177
85°	69	64
90°	66	38
95°	103	93
105°	140	143
115°	75	76
125°	33	31
135°	27	21
145°	29	18
155°	28	13
165°	22	6
175°	14	1
180°	14	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6351.5
2.5°	6338.0
5°	6340.5
7.5°	6327.8
10°	6304.1
12.5°	6292.2
15°	6276.1
17.5°	6232.1
20°	6160.0
22.5°	6084.6
25°	6005.8
27.5°	5906.7
30°	5783.0
32.5°	5642.4
35°	5467.0
37.5°	5188.3
40°	4683.4
42.5°	4075.1
45°	3420.2
47.5°	2764.4
50°	2167.2
52.5°	1702.0
55°	1344.5
57.5°	1055.6
60°	864.2
62.5°	748.9
65°	554.1
67.5°	365.1
70°	252.5
72.5°	194.9
75°	161.8
77.5°	133.9
80°	105.1
82.5°	82.2
85°	68.6
87.5°	63.5
90°	66.1
92.5°	81.3
95°	103.4
97.5°	127.1
100°	142.3
102.5°	146.6
105°	139.8
107.5°	126.2
110°	109.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	91.5
115°	75.4
117.5°	60.2
120°	48.3
122.5°	39.0
125°	33.0
127.5°	28.8
130°	27.1
132.5°	26.3
135°	27.1
137.5°	28.0
140°	28.0
142.5°	28.8
145°	28.8
147.5°	28.8
150°	28.8
152.5°	28.8
155°	28.0
157.5°	27.1
160°	25.4
162.5°	23.7
165°	22.0
167.5°	20.3
170°	17.8
172.5°	16.1
175°	14.4
177.5°	13.6
180°	13.6

(END OF REPORT)