

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: P1504645

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504645
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: Pentalux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-04-CLER-PS (5000K_L12_Medium_120V)
Description: Pentalux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

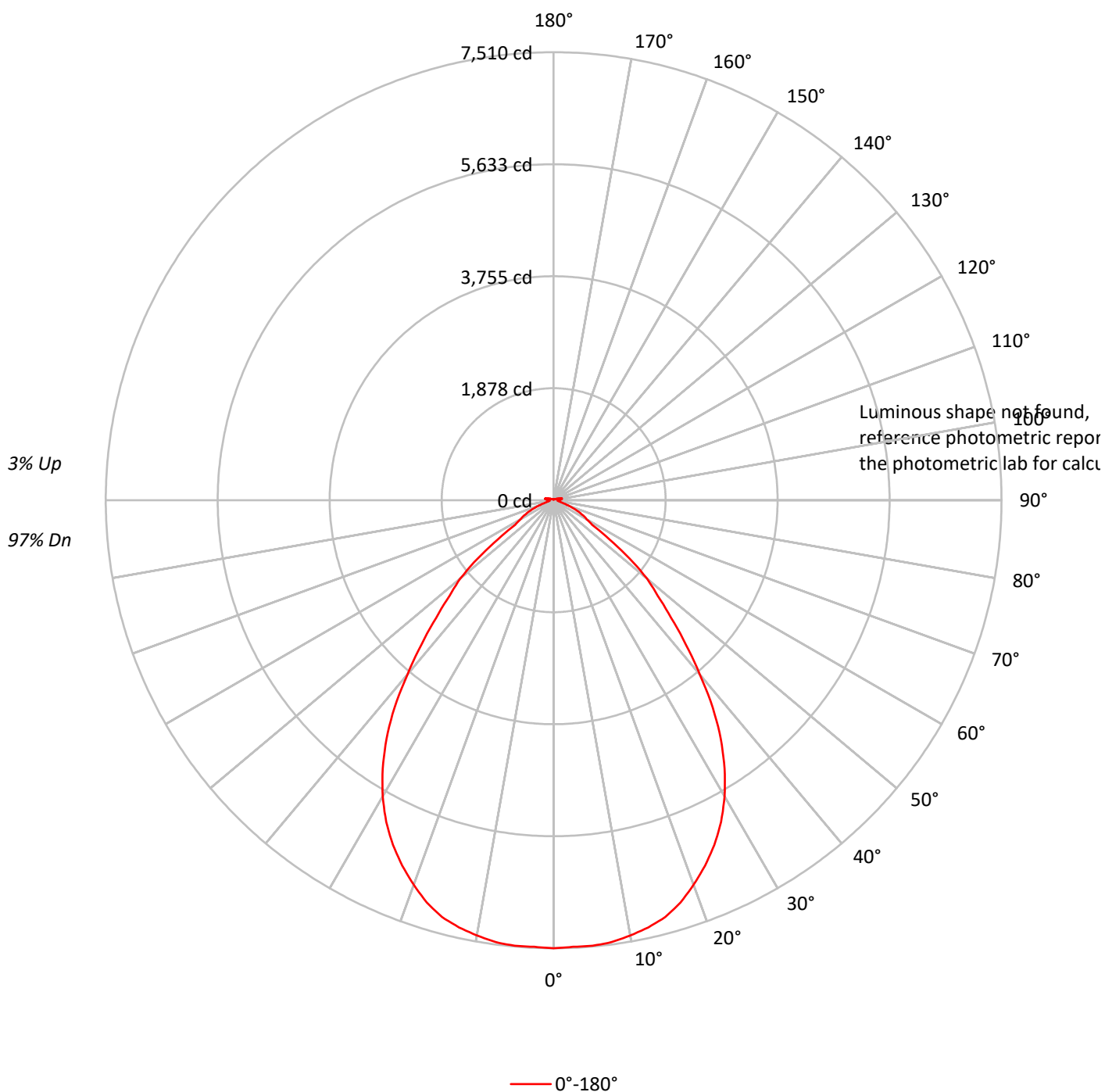
Lumens per Lamp: N/A
Luminaire Lumens: 13024.1 lumens
Efficiency: N/A
Efficacy: 160.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.15
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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	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°	712.8	5.5
10°-20°	2031.2	15.6
20°-30°	2921.8	22.4
30°-40°	3020.8	23.2
40°-50°	2179.9	16.7
50°-60°	1074.9	8.3
60°-70°	457.7	3.5
70°-80°	153.4	1.2
80°-90°	77.5	0.6
90°-100°	128.7	1.0
100°-110°	132.1	1.0
110°-120°	63.5	0.5
120°-130°	24.6	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°	5665.9	43.5
0°-40°	8686.7	66.7
0°-60°	11941.5	91.7
0°-90°	12630.1	97.0
90°-120°	324.4	2.5
90°-150°	378.2	2.9
90°-180°	394.0	3.0
0°-180°	13024.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7510	
5°	7497	713
15°	7232	2031
25°	6374	2922
35°	4888	3021
45°	2787	2180
55°	1140	1075
65°	473	458
75°	129	153
85°	65	57
90°	79	45
95°	122	104
105°	128	132
115°	62	64
125°	26	25
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°	7510.2
2.5°	7494.0
5°	7496.6
7.5°	7471.0
10°	7408.0
12.5°	7333.9
15°	7232.5
17.5°	7071.6
20°	6860.4
22.5°	6630.4
25°	6374.0
27.5°	6080.2
30°	5731.9
32.5°	5335.8
35°	4887.8
37.5°	4387.1
40°	3813.9
42.5°	3279.9
45°	2786.7
47.5°	2362.6
50°	2042.4
52.5°	1604.6
55°	1139.6
57.5°	763.1
60°	643.9
62.5°	558.7
65°	472.7
67.5°	368.8
70°	264.0
72.5°	178.9
75°	128.6
77.5°	102.2
80°	81.8
82.5°	69.8
85°	64.7
87.5°	69.0
90°	79.2
92.5°	98.8
95°	121.8
97.5°	139.7
100°	144.8
102.5°	139.7
105°	127.8
107.5°	111.6
110°	94.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	77.5
115°	62.2
117.5°	48.5
120°	38.3
122.5°	30.7
125°	25.6
127.5°	23.0
130°	21.3
132.5°	20.4
135°	20.4
137.5°	21.3
140°	21.3
142.5°	21.3
145°	20.4
147.5°	20.4
150°	20.4
152.5°	20.4
155°	20.4
157.5°	19.6
160°	19.6
162.5°	18.7
165°	17.9
167.5°	16.2
170°	15.3
172.5°	14.5
175°	14.5
177.5°	15.3
180°	15.3

(END OF REPORT)