

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: P1504511

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504511
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-49)
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-06-TRWH-PS (5000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

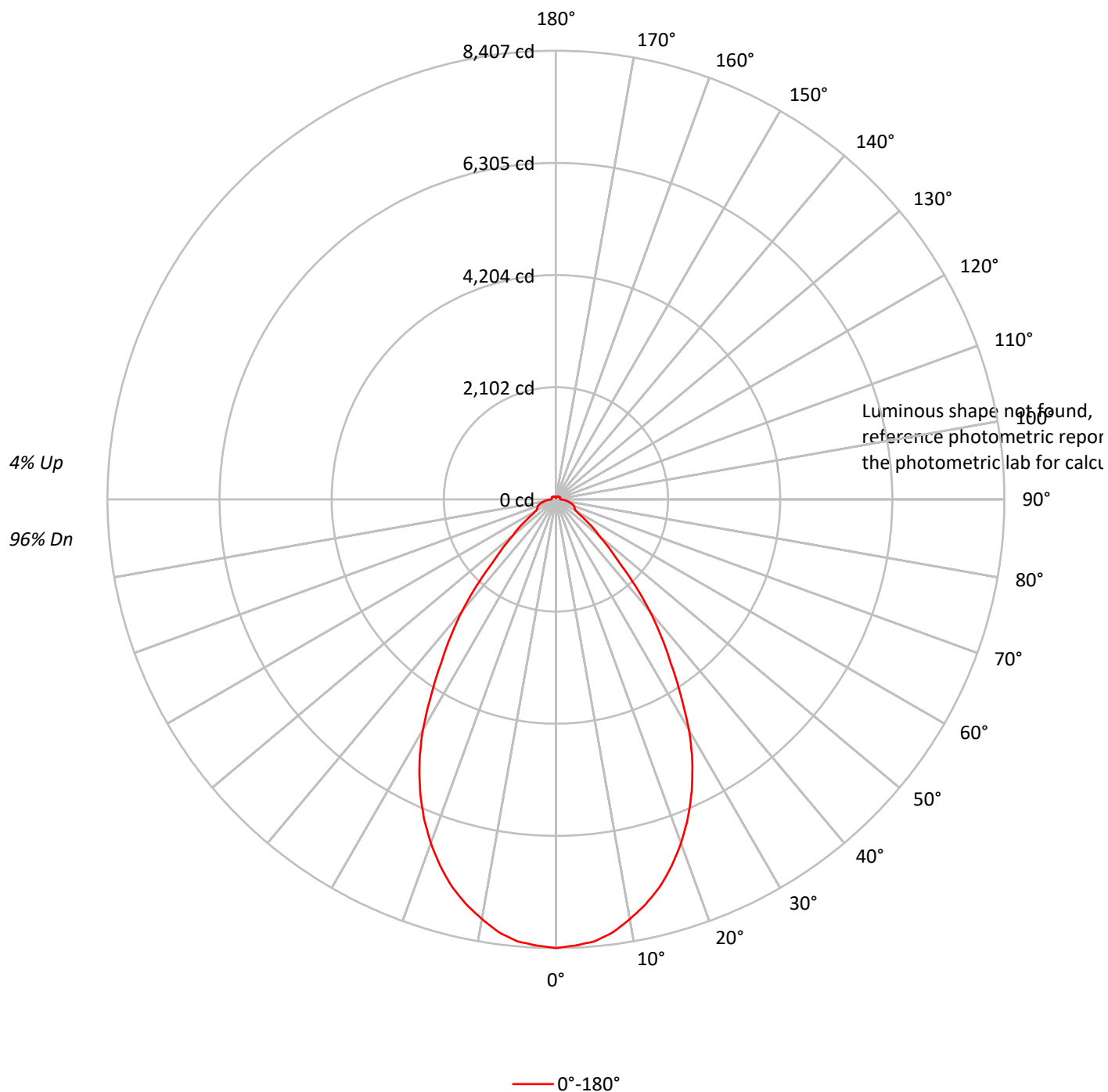
Lumens per Lamp: N/A
Luminaire Lumens: 11332.1 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

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	103	103	103	98	98	98	96		
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	85		
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	76		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	69		
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	68	64	62		
5	85	74	67	62	82	73	66	61	71	65	60	68	63	60	66	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	64	57	51	73	63	56	51	61	55	51	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	44		
9	67	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	41		
10	63	52	45	41	62	51	45	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.9	6.9
10°-20°	2103.7	18.6
20°-30°	2746.4	24.2
30°-40°	2363.9	20.9
40°-50°	1366.5	12.1
50°-60°	627.2	5.5
60°-70°	386.2	3.4
70°-80°	317.3	2.8
80°-90°	172.4	1.5
90°-100°	89.1	0.8
100°-110°	87.2	0.8
110°-120°	80.2	0.7
120°-130°	69.0	0.6
130°-140°	55.7	0.5
140°-150°	41.9	0.4
150°-160°	26.7	0.2
160°-170°	12.7	0.1
170°-180°	3.2	0.0
0°-30°	5632.9	49.7
0°-40°	7996.8	70.6
0°-60°	9990.4	88.2
0°-90°	10866.4	95.9
90°-120°	256.5	2.3
90°-150°	423.1	3.7
90°-180°	466.0	4.1
0°-180°	11332.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8407	
5°	8312	783
15°	7519	2104
25°	6024	2746
35°	3763	2364
45°	1681	1366
55°	678	627
65°	385	386
75°	304	317
85°	158	145
90°	82	50
95°	82	67
105°	82	87
115°	81	80
125°	77	69
135°	72	56
145°	67	42
155°	57	27
165°	44	13
175°	31	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8407.3
2.5°	8366.5
5°	8311.9
7.5°	8182.1
10°	7983.1
12.5°	7770.1
15°	7518.8
17.5°	7207.2
20°	6853.9
22.5°	6464.0
25°	6024.2
27.5°	5539.6
30°	4992.2
32.5°	4352.5
35°	3762.7
37.5°	3243.0
40°	2743.7
42.5°	2211.8
45°	1680.6
47.5°	1357.6
50°	1057.3
52.5°	878.7
55°	678.0
57.5°	518.1
60°	436.5
62.5°	403.0
65°	385.1
67.5°	373.7
70°	356.5
72.5°	332.9
75°	303.5
77.5°	270.0
80°	234.1
82.5°	197.4
85°	158.3
87.5°	119.1
90°	81.6
92.5°	80.8
95°	81.6
97.5°	82.4
100°	82.4
102.5°	82.4
105°	82.4
107.5°	82.4
110°	82.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	81.6
115°	80.8
117.5°	80.0
120°	79.1
122.5°	78.3
125°	76.7
127.5°	75.9
130°	74.2
132.5°	73.4
135°	71.8
137.5°	70.2
140°	69.3
142.5°	67.7
145°	66.9
147.5°	65.3
150°	63.6
152.5°	61.2
155°	57.1
157.5°	53.8
160°	51.4
162.5°	47.3
165°	44.1
167.5°	40.8
170°	37.5
172.5°	33.4
175°	31.0
177.5°	30.2
180°	30.2

(END OF REPORT)