

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: P1504489

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504489
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-50)
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 (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

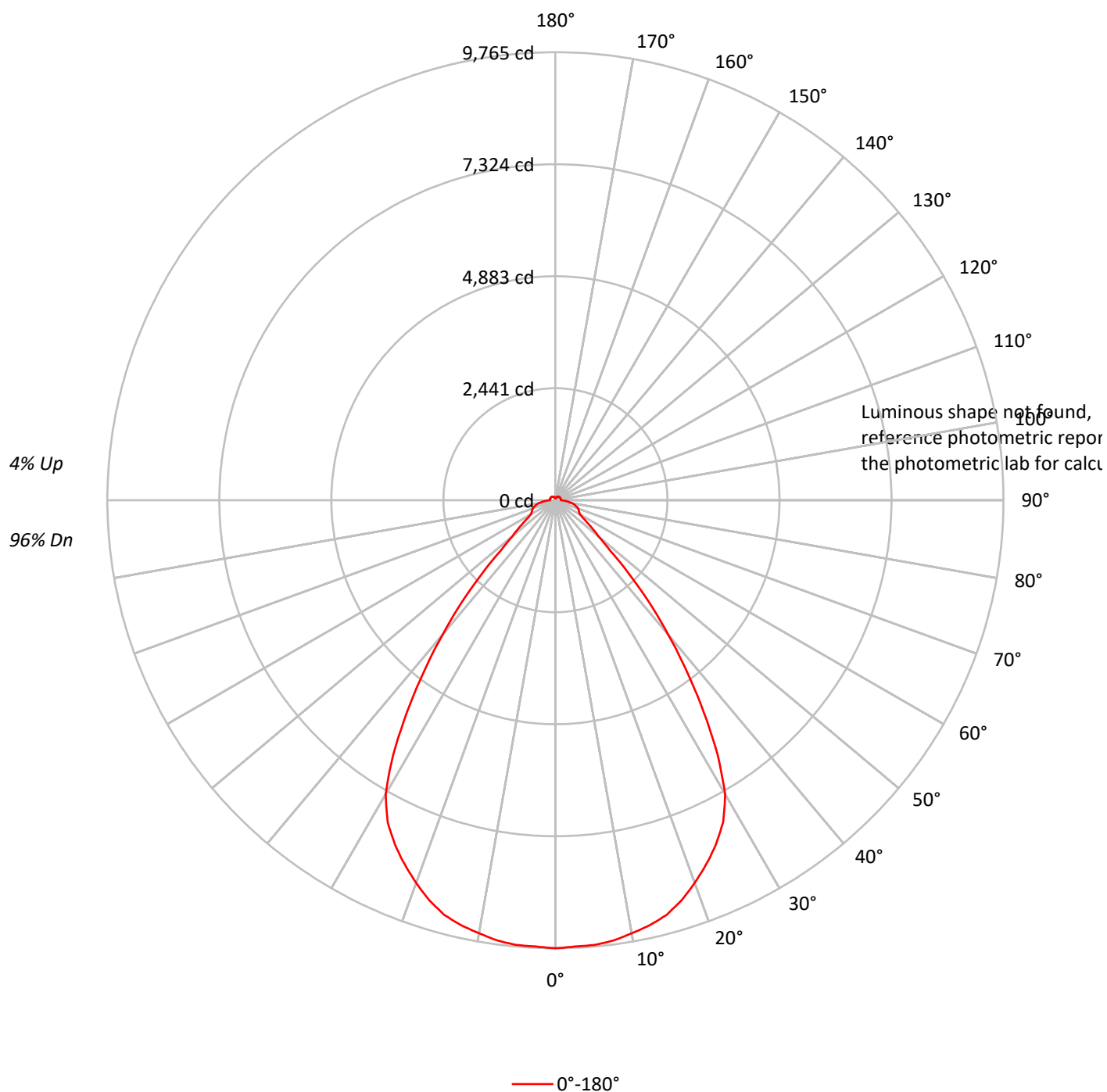
Lumens per Lamp: N/A
Luminaire Lumens: 15376.6 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 122.9
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	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	85		
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	88	81	76	93	86	80	75	82	77	73	79	75	72	76	73	70	68		
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	61		
5	84	74	66	61	82	72	66	60	70	64	59	68	63	59	65	61	58	56		
6	79	68	61	55	77	67	60	55	65	59	54	63	57	53	61	56	53	51		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	47		
8	70	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	45	43		
9	66	54	47	43	64	54	47	42	52	46	42	51	45	42	50	45	41	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	924.1	6.0
10°-20°	2627.4	17.1
20°-30°	3789.8	24.6
30°-40°	3494.4	22.7
40°-50°	1791.0	11.6
50°-60°	777.4	5.1
60°-70°	562.6	3.7
70°-80°	474.7	3.1
80°-90°	260.9	1.7
90°-100°	130.2	0.8
100°-110°	127.0	0.8
110°-120°	116.1	0.8
120°-130°	99.8	0.6
130°-140°	80.6	0.5
140°-150°	60.1	0.4
150°-160°	38.2	0.2
160°-170°	17.9	0.1
170°-180°	4.4	0.0
0°-30°	7341.3	47.7
0°-40°	10835.7	70.5
0°-60°	13404.1	87.2
0°-90°	14702.3	95.6
90°-120°	373.4	2.4
90°-150°	613.9	4.0
90°-180°	674.0	4.4
0°-180°	15376.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9765	
5°	9731	924
15°	9357	2627
25°	8278	3790
35°	5636	3494
45°	2247	1791
55°	846	777
65°	564	563
75°	454	475
85°	240	220
90°	120	73
95°	119	98
105°	120	127
115°	117	116
125°	112	100
135°	104	81
145°	96	60
155°	82	38
165°	61	18
175°	43	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9765.4
2.5°	9736.5
5°	9731.1
7.5°	9679.6
10°	9583.0
12.5°	9490.8
15°	9356.6
17.5°	9142.0
20°	8875.9
22.5°	8589.4
25°	8278.3
27.5°	7913.4
30°	7397.3
32.5°	6581.8
35°	5636.5
37.5°	4705.1
40°	3824.2
42.5°	3019.4
45°	2246.9
47.5°	1604.1
50°	1229.7
52.5°	1019.4
55°	845.5
57.5°	701.7
60°	617.0
62.5°	585.9
65°	564.4
67.5°	548.3
70°	524.7
72.5°	493.6
75°	453.9
77.5°	408.8
80°	357.3
82.5°	301.5
85°	240.4
87.5°	177.0
90°	120.2
92.5°	118.0
95°	119.1
97.5°	120.2
100°	120.2
102.5°	120.2
105°	120.2
107.5°	120.2
110°	119.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	118.0
115°	117.0
117.5°	115.9
120°	114.8
122.5°	112.7
125°	111.6
127.5°	109.4
130°	107.3
132.5°	106.2
135°	104.1
137.5°	101.9
140°	99.8
142.5°	97.6
145°	95.5
147.5°	93.4
150°	91.2
152.5°	86.9
155°	81.5
157.5°	77.3
160°	73.0
162.5°	67.6
165°	61.2
167.5°	56.9
170°	51.5
172.5°	46.1
175°	42.9
177.5°	40.8
180°	40.8

(END OF REPORT)