

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: P1504499

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504499
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 (3500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

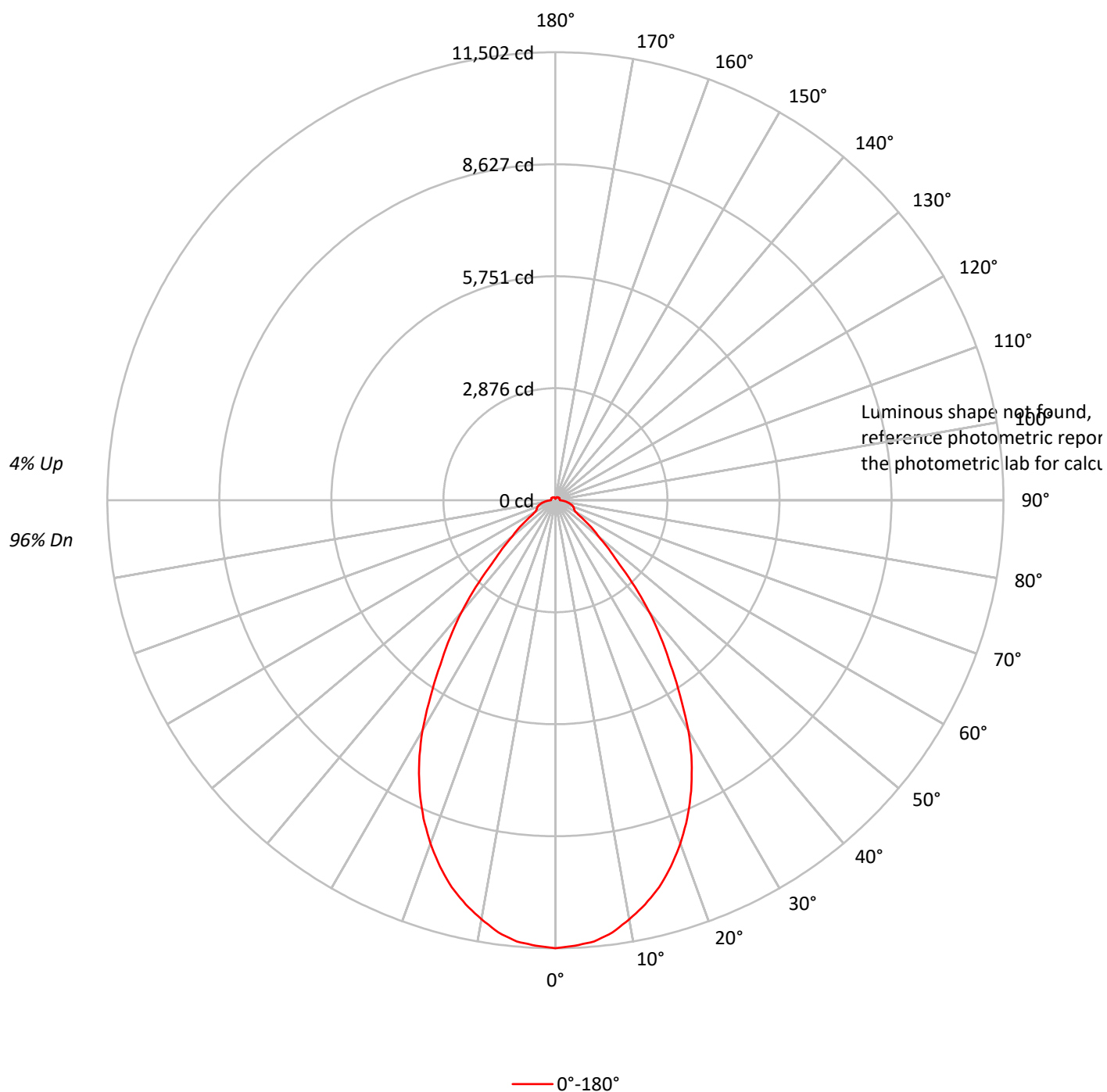
Lumens per Lamp: N/A
Luminaire Lumens: 15503.7 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.7
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°	1071.0	6.9
10°-20°	2878.1	18.6
20°-30°	3757.4	24.2
30°-40°	3234.1	20.9
40°-50°	1869.5	12.1
50°-60°	858.1	5.5
60°-70°	528.4	3.4
70°-80°	434.2	2.8
80°-90°	235.8	1.5
90°-100°	121.9	0.8
100°-110°	119.2	0.8
110°-120°	109.7	0.7
120°-130°	94.5	0.6
130°-140°	76.2	0.5
140°-150°	57.3	0.4
150°-160°	36.6	0.2
160°-170°	17.4	0.1
170°-180°	4.3	0.0
0°-30°	7706.5	49.7
0°-40°	10940.6	70.6
0°-60°	13668.1	88.2
0°-90°	14866.6	95.9
90°-120°	350.8	2.3
90°-150°	578.8	3.7
90°-180°	637.0	4.1
0°-180°	15503.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11502	
5°	11372	###
15°	10287	2878
25°	8242	3757
35°	5148	3234
45°	2299	1869
55°	928	858
65°	527	528
75°	415	434
85°	216	198
90°	112	68
95°	112	91
105°	113	119
115°	110	110
125°	105	94
135°	98	76
145°	92	57
155°	78	37
165°	60	17
175°	42	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11502.2
2.5°	11446.4
5°	11371.7
7.5°	11194.2
10°	10921.8
12.5°	10630.5
15°	10286.7
17.5°	9860.3
20°	9377.0
22.5°	8843.5
25°	8241.9
27.5°	7578.9
30°	6829.9
32.5°	5954.8
35°	5147.8
37.5°	4436.8
40°	3753.7
42.5°	3026.0
45°	2299.3
47.5°	1857.3
50°	1446.6
52.5°	1202.1
55°	927.5
57.5°	708.8
60°	597.2
62.5°	551.4
65°	526.8
67.5°	511.2
70°	487.8
72.5°	455.4
75°	415.2
77.5°	369.5
80°	320.3
82.5°	270.1
85°	216.5
87.5°	163.0
90°	111.6
92.5°	110.5
95°	111.6
97.5°	112.7
100°	112.7
102.5°	112.7
105°	112.7
107.5°	112.7
110°	112.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	111.6
115°	110.5
117.5°	109.4
120°	108.3
122.5°	107.2
125°	104.9
127.5°	103.8
130°	101.6
132.5°	100.5
135°	98.2
137.5°	96.0
140°	94.9
142.5°	92.6
145°	91.5
147.5°	89.3
150°	87.1
152.5°	83.7
155°	78.1
157.5°	73.7
160°	70.3
162.5°	64.7
165°	60.3
167.5°	55.8
170°	51.3
172.5°	45.8
175°	42.4
177.5°	41.3
180°	41.3

(END OF REPORT)