

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: P1504496

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504496
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_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

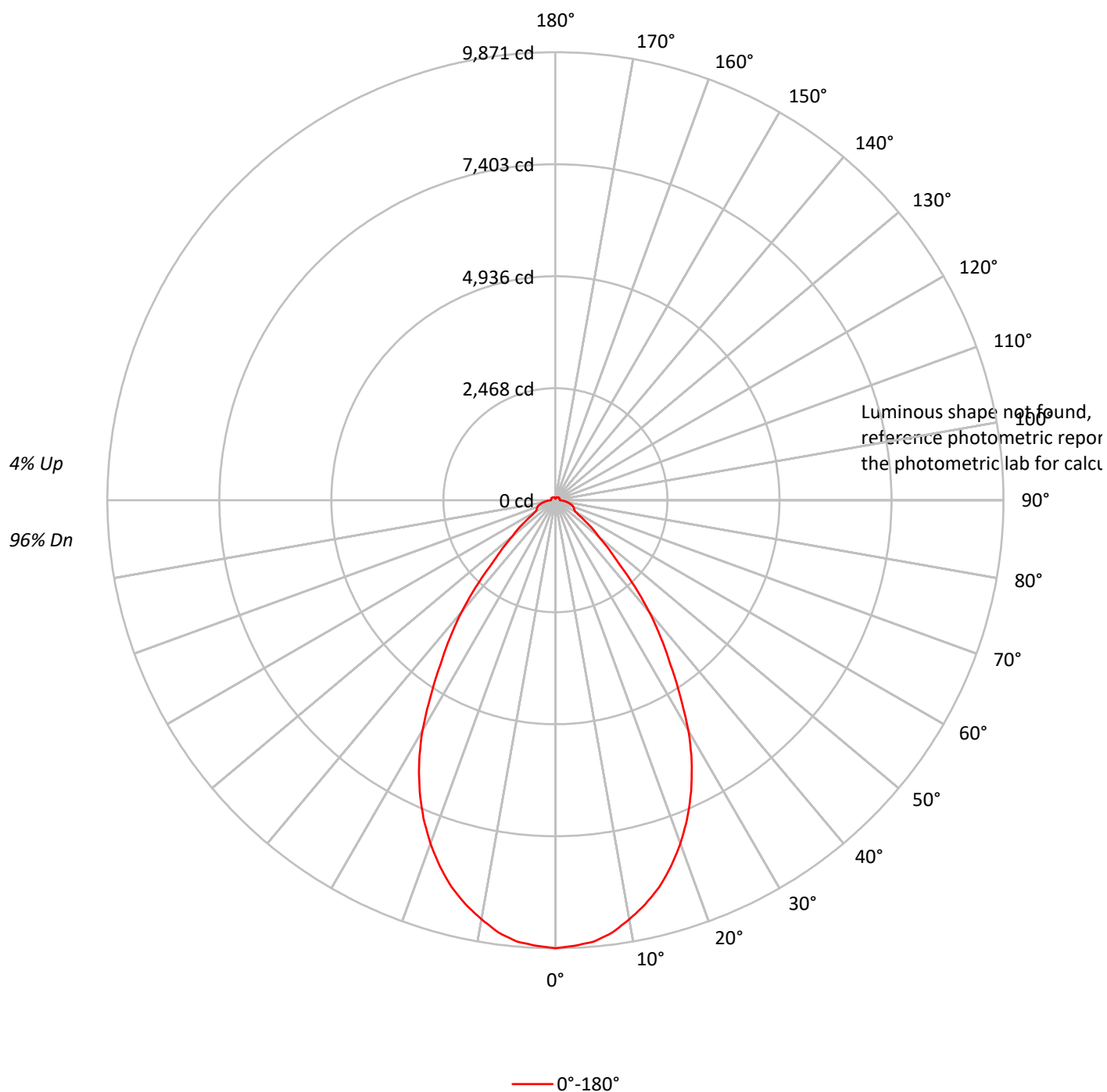
Lumens per Lamp: N/A
Luminaire Lumens: 13305.3 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.4
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





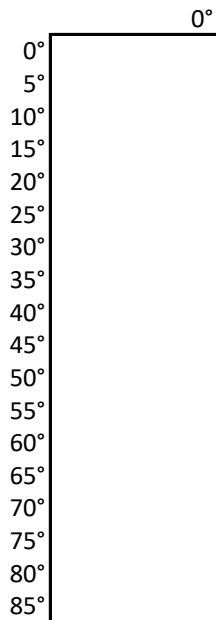
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	919.2	6.9
10°-20°	2470.0	18.6
20°-30°	3224.6	24.2
30°-40°	2775.5	20.9
40°-50°	1604.4	12.1
50°-60°	736.4	5.5
60°-70°	453.5	3.4
70°-80°	372.6	2.8
80°-90°	202.4	1.5
90°-100°	104.6	0.8
100°-110°	102.3	0.8
110°-120°	94.1	0.7
120°-130°	81.1	0.6
130°-140°	65.4	0.5
140°-150°	49.2	0.4
150°-160°	31.4	0.2
160°-170°	14.9	0.1
170°-180°	3.7	0.0
0°-30°	6613.8	49.7
0°-40°	9389.3	70.6
0°-60°	11730.2	88.2
0°-90°	12758.6	95.9
90°-120°	301.1	2.3
90°-150°	496.7	3.7
90°-180°	547.0	4.1
0°-180°	13305.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9871	
5°	9759	919
15°	8828	2470
25°	7073	3225
35°	4418	2776
45°	1973	1604
55°	796	736
65°	452	453
75°	356	373
85°	186	170
90°	96	58
95°	96	78
105°	97	102
115°	95	94
125°	90	81
135°	84	65
145°	78	49
155°	67	31
165°	52	15
175°	36	4
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9871.3
2.5°	9823.4
5°	9759.3
7.5°	9606.9
10°	9373.2
12.5°	9123.2
15°	8828.2
17.5°	8462.2
20°	8047.5
22.5°	7589.6
25°	7073.3
27.5°	6504.3
30°	5861.5
32.5°	5110.5
35°	4417.9
37.5°	3807.7
40°	3221.5
42.5°	2596.9
45°	1973.3
47.5°	1594.0
50°	1241.5
52.5°	1031.7
55°	796.0
57.5°	608.3
60°	512.5
62.5°	473.2
65°	452.1
67.5°	438.7
70°	418.6
72.5°	390.8
75°	356.3
77.5°	317.1
80°	274.9
82.5°	231.8
85°	185.8
87.5°	139.9
90°	95.8
92.5°	94.8
95°	95.8
97.5°	96.7
100°	96.7
102.5°	96.7
105°	96.7
107.5°	96.7
110°	96.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	95.8
115°	94.8
117.5°	93.9
120°	92.9
122.5°	92.0
125°	90.0
127.5°	89.1
130°	87.2
132.5°	86.2
135°	84.3
137.5°	82.4
140°	81.4
142.5°	79.5
145°	78.5
147.5°	76.6
150°	74.7
152.5°	71.8
155°	67.1
157.5°	63.2
160°	60.3
162.5°	55.6
165°	51.7
167.5°	47.9
170°	44.1
172.5°	39.3
175°	36.4
177.5°	35.4
180°	35.4

(END OF REPORT)