

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: P1504328

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (4000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504328
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-25)
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-04-TRWH-PS (4000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

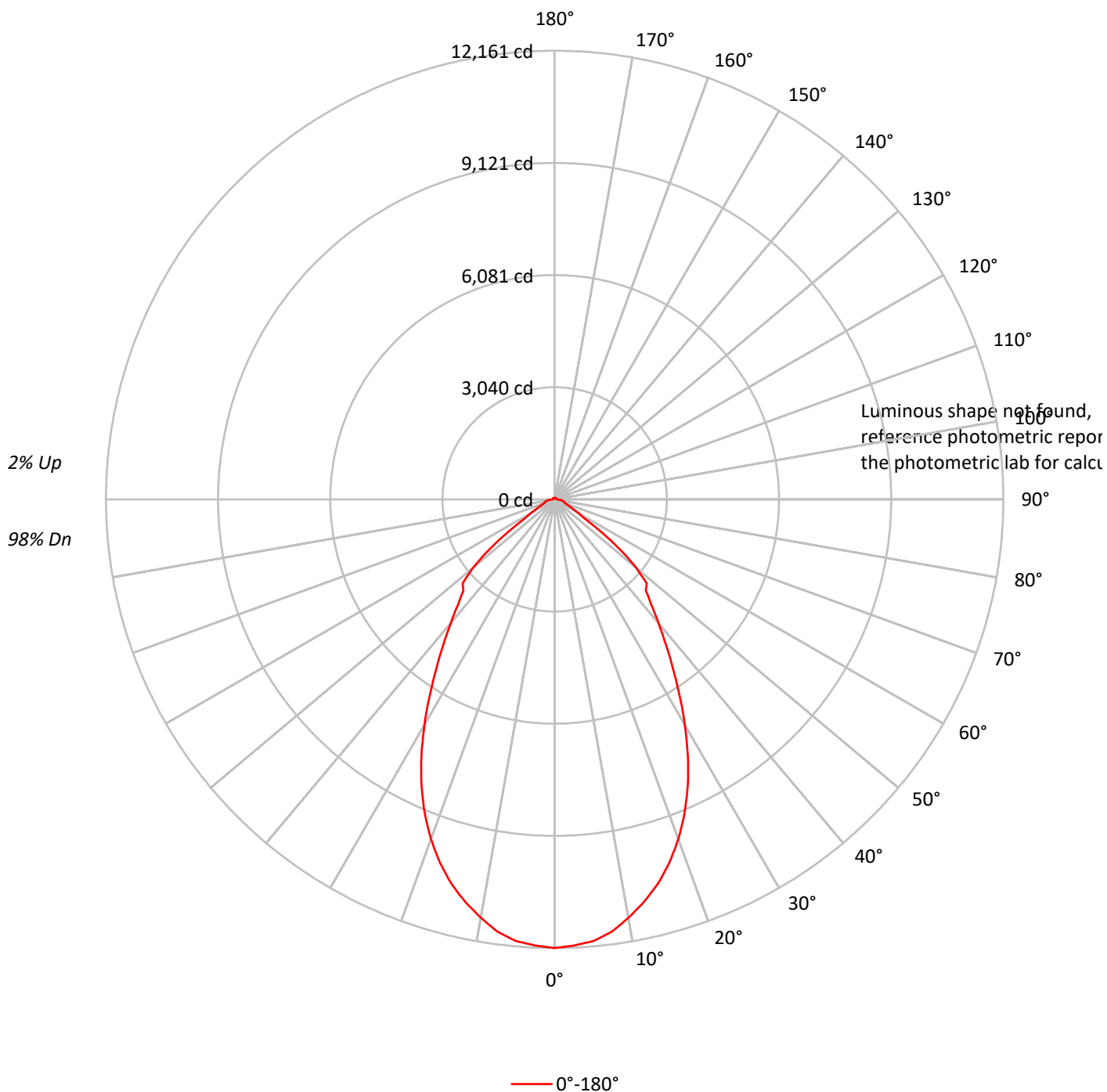
Lumens per Lamp: N/A
Luminaire Lumens: 16970.0 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 119.3
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





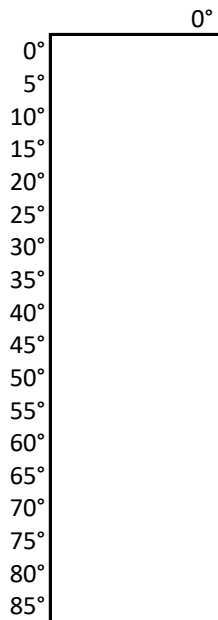
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	102	108	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72	71		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59	57		
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54	52		
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	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°	1131.1	6.7
10°-20°	3019.8	17.8
20°-30°	3895.6	23.0
30°-40°	3507.7	20.7
40°-50°	2771.5	16.3
50°-60°	1445.0	8.5
60°-70°	466.1	2.7
70°-80°	277.4	1.6
80°-90°	152.5	0.9
90°-100°	56.7	0.3
100°-110°	55.6	0.3
110°-120°	51.5	0.3
120°-130°	44.5	0.3
130°-140°	36.3	0.2
140°-150°	28.6	0.2
150°-160°	18.8	0.1
160°-170°	8.9	0.1
170°-180°	2.3	0.0
0°-30°	8046.4	47.4
0°-40°	11554.1	68.1
0°-60°	15770.7	92.9
0°-90°	16666.7	98.2
90°-120°	163.8	1.0
90°-150°	273.3	1.6
90°-180°	303.0	1.8
0°-180°	16970.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12161	
5°	12017	###
15°	10794	3020
25°	8538	3896
35°	5582	3508
45°	3495	2772
55°	1532	1445
65°	439	466
75°	264	277
85°	142	132
90°	52	35
95°	52	43
105°	53	56
115°	52	51
125°	50	45
135°	46	36
145°	45	29
155°	40	19
165°	31	9
175°	23	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12160.6
2.5°	12102.4
5°	12016.9
7.5°	11822.1
10°	11514.5
12.5°	11176.0
15°	10793.6
17.5°	10332.7
20°	9798.3
22.5°	9204.5
25°	8538.2
27.5°	7817.3
30°	7056.0
32.5°	6301.8
35°	5582.1
37.5°	4943.1
40°	4380.1
42.5°	3877.7
45°	3495.3
47.5°	3381.3
50°	2882.5
52.5°	2249.5
55°	1532.1
57.5°	939.4
60°	739.9
62.5°	573.6
65°	439.4
67.5°	353.9
70°	305.2
72.5°	277.9
75°	263.7
77.5°	245.8
80°	219.7
82.5°	185.3
85°	142.5
87.5°	96.2
90°	52.3
92.5°	51.1
95°	52.3
97.5°	52.3
100°	52.3
102.5°	52.3
105°	53.4
107.5°	52.3
110°	52.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	52.3
115°	52.3
117.5°	51.1
120°	51.1
122.5°	49.9
125°	49.9
127.5°	48.7
130°	48.7
132.5°	47.5
135°	46.3
137.5°	46.3
140°	46.3
142.5°	46.3
145°	45.1
147.5°	45.1
150°	45.1
152.5°	43.9
155°	40.4
157.5°	36.8
160°	35.6
162.5°	33.3
165°	30.9
167.5°	28.5
170°	26.1
172.5°	23.8
175°	22.6
177.5°	21.4
180°	21.4

(END OF REPORT)