

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: P1504329

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504329
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-5)
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_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

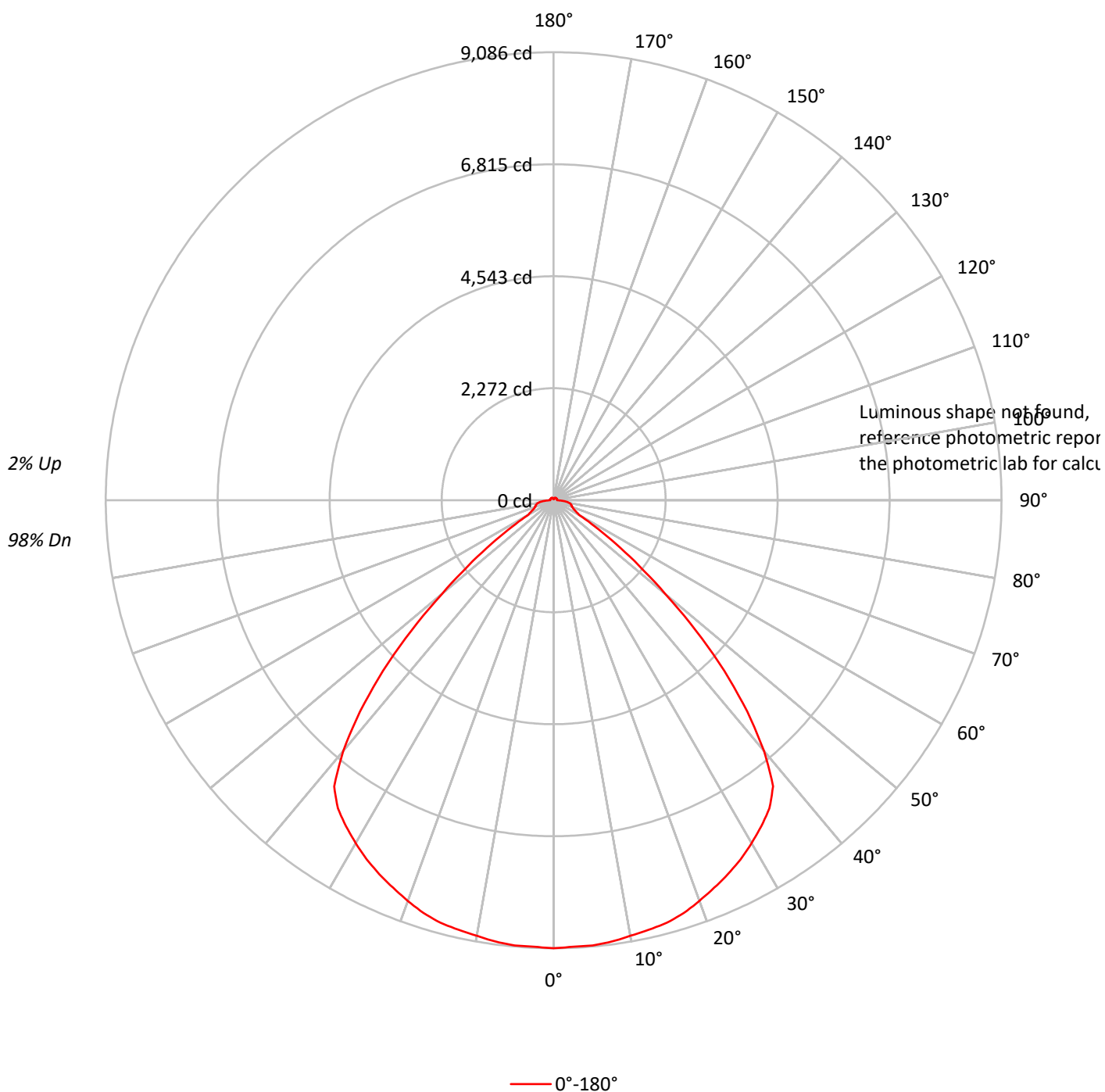
Lumens per Lamp: N/A
Luminaire Lumens: 18590.7 lumens
Efficiency: N/A
Efficacy: 155.8 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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				0
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	107	104	101	108	104	101	99	100	97	95	96	94	92	92	90	89	87			
2	103	96	91	86	100	94	89	85	91	87	83	87	84	81	84	81	79	77			
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	77	73	70	68			
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63	61			
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56	54			
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50	49			
7	72	60	53	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44			
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41	40			
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38	36			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	862.0	4.6
10°-20°	2503.1	13.5
20°-30°	3859.8	20.8
30°-40°	4714.7	25.4
40°-50°	3720.4	20.0
50°-60°	1432.2	7.7
60°-70°	475.3	2.6
70°-80°	387.2	2.1
80°-90°	229.4	1.2
90°-100°	77.5	0.4
100°-110°	76.0	0.4
110°-120°	69.6	0.4
120°-130°	60.1	0.3
130°-140°	48.9	0.3
140°-150°	37.6	0.2
150°-160°	24.0	0.1
160°-170°	10.6	0.1
170°-180°	2.5	0.0
0°-30°	7224.9	38.9
0°-40°	11939.6	64.2
0°-60°	17092.2	91.9
0°-90°	18184.0	97.8
90°-120°	223.1	1.2
90°-150°	369.7	2.0
90°-180°	407.0	2.2
0°-180°	18590.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9086	
5°	9063	862
15°	8873	2503
25°	8367	3860
35°	7630	4715
45°	4896	3720
55°	1533	1432
65°	469	475
75°	369	387
85°	221	200
90°	71	49
95°	71	58
105°	72	76
115°	70	70
125°	66	60
135°	63	49
145°	59	38
155°	51	24
165°	36	11
175°	24	3
180°	23	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9085.7
2.5°	9063.1
5°	9063.1
7.5°	9028.7
10°	8969.3
12.5°	8923.0
15°	8873.1
17.5°	8779.3
20°	8647.4
22.5°	8507.3
25°	8367.1
27.5°	8212.7
30°	8031.0
32.5°	7839.8
35°	7629.6
37.5°	7312.5
40°	6641.5
42.5°	5812.5
45°	4895.6
47.5°	3912.2
50°	2956.1
52.5°	2181.8
55°	1533.3
57.5°	981.0
60°	604.5
62.5°	523.8
65°	469.1
67.5°	424.0
70°	402.6
72.5°	383.6
75°	369.4
77.5°	350.4
80°	320.7
82.5°	279.1
85°	220.9
87.5°	146.1
90°	71.3
92.5°	70.1
95°	71.3
97.5°	71.3
100°	71.3
102.5°	72.4
105°	72.4
107.5°	71.3
110°	71.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.3
115°	70.1
117.5°	68.9
120°	68.9
122.5°	67.7
125°	66.5
127.5°	66.5
130°	65.3
132.5°	64.1
135°	62.9
137.5°	61.8
140°	61.8
142.5°	60.6
145°	59.4
147.5°	59.4
150°	58.2
152.5°	55.8
155°	51.1
157.5°	47.5
160°	43.9
162.5°	40.4
165°	35.6
167.5°	33.3
170°	29.7
172.5°	27.3
175°	23.8
177.5°	22.6
180°	22.6

(END OF REPORT)