

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: P1504338

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504338
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

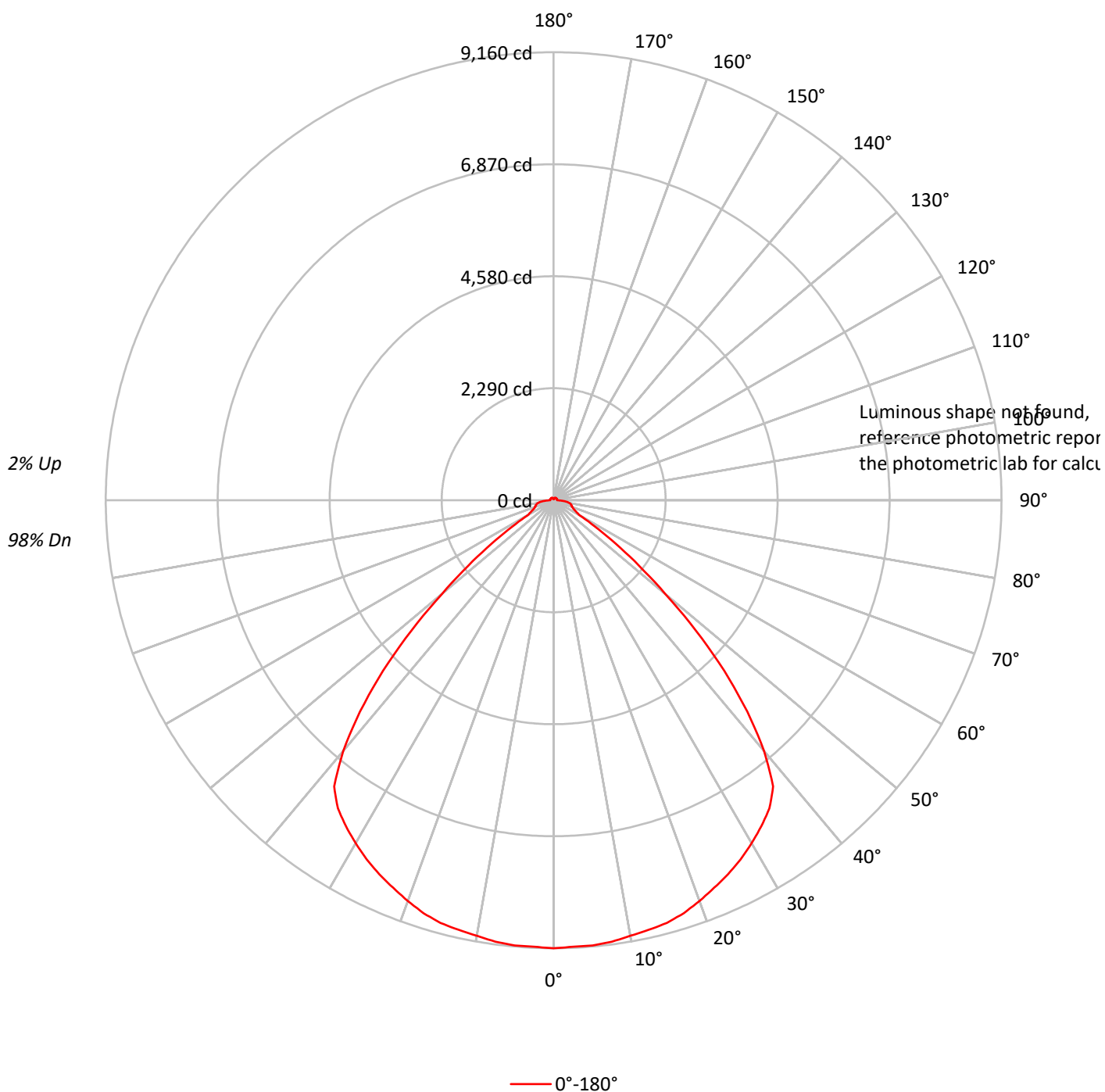
Lumens per Lamp: N/A
Luminaire Lumens: 18743.3 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 120.1
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	50	30	10	50	30	10		
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°	869.1	4.6
10°-20°	2523.6	13.5
20°-30°	3891.5	20.8
30°-40°	4753.4	25.4
40°-50°	3750.9	20.0
50°-60°	1444.0	7.7
60°-70°	479.2	2.6
70°-80°	390.3	2.1
80°-90°	231.2	1.2
90°-100°	78.0	0.4
100°-110°	76.6	0.4
110°-120°	70.1	0.4
120°-130°	60.6	0.3
130°-140°	49.3	0.3
140°-150°	37.9	0.2
150°-160°	24.2	0.1
160°-170°	10.6	0.1
170°-180°	2.5	0.0
0°-30°	7284.2	38.9
0°-40°	12037.6	64.2
0°-60°	17232.5	91.9
0°-90°	18333.3	97.8
90°-120°	224.7	1.2
90°-150°	372.7	2.0
90°-180°	410.0	2.2
0°-180°	18743.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9160	
5°	9138	869
15°	8946	2524
25°	8436	3891
35°	7692	4753
45°	4936	3751
55°	1546	1444
65°	473	479
75°	372	390
85°	223	201
90°	72	50
95°	72	58
105°	73	77
115°	71	70
125°	67	61
135°	64	49
145°	60	38
155°	52	24
165°	36	11
175°	24	3
180°	23	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9160.3
2.5°	9137.5
5°	9137.5
7.5°	9102.8
10°	9042.9
12.5°	8996.2
15°	8945.9
17.5°	8851.3
20°	8718.4
22.5°	8577.1
25°	8435.8
27.5°	8280.2
30°	8096.9
32.5°	7904.2
35°	7692.2
37.5°	7372.5
40°	6696.0
42.5°	5860.2
45°	4935.8
47.5°	3944.3
50°	2980.4
52.5°	2199.7
55°	1545.9
57.5°	989.1
60°	609.5
62.5°	528.1
65°	473.0
67.5°	427.5
70°	405.9
72.5°	386.8
75°	372.4
77.5°	353.2
80°	323.3
82.5°	281.4
85°	222.7
87.5°	147.3
90°	71.8
92.5°	70.6
95°	71.8
97.5°	71.8
100°	71.8
102.5°	73.0
105°	73.0
107.5°	71.8
110°	71.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	71.8
115°	70.6
117.5°	69.5
120°	69.5
122.5°	68.3
125°	67.1
127.5°	67.1
130°	65.9
132.5°	64.7
135°	63.5
137.5°	62.3
140°	62.3
142.5°	61.1
145°	59.9
147.5°	59.9
150°	58.7
152.5°	56.3
155°	51.5
157.5°	47.9
160°	44.3
162.5°	40.7
165°	35.9
167.5°	33.5
170°	29.9
172.5°	27.5
175°	23.9
177.5°	22.8
180°	22.8

(END OF REPORT)