

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: P1504678

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (3500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504678
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-38)
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-B-04-TRWH-PS (3500K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

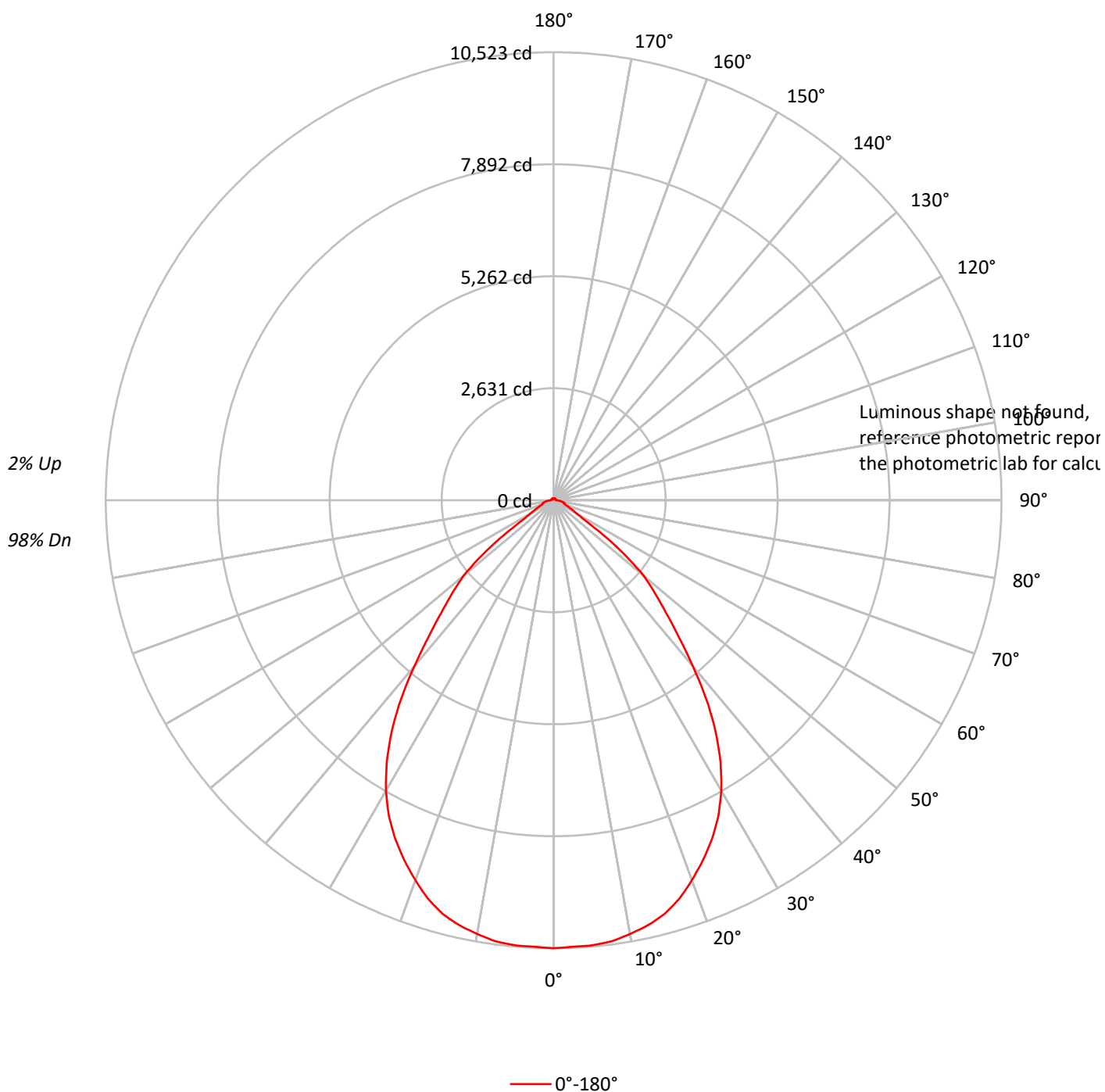
Lumens per Lamp: N/A
Luminaire Lumens: 17345.2 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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				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	108	105	102	109	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	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70			
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	72	68	65	63			
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57			
6	79	68	61	55	77	67	60	55	65	59	54	63	58	54	62	57	53	52			
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	57	52	49	47			
8	69	58	51	46	68	57	50	46	56	50	45	55	49	45	53	48	45	43			
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	50	45	41	39			
10	62	50	43	39	60	50	43	38	49	42	38	48	42	38	47	42	38	36			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	997.1	5.7
10°-20°	2824.4	16.3
20°-30°	4029.9	23.2
30°-40°	4097.7	23.6
40°-50°	2921.0	16.8
50°-60°	1341.0	7.7
60°-70°	419.6	2.4
70°-80°	264.3	1.5
80°-90°	140.4	0.8
90°-100°	54.8	0.3
100°-110°	55.3	0.3
110°-120°	51.9	0.3
120°-130°	45.6	0.3
130°-140°	38.2	0.2
140°-150°	30.0	0.2
150°-160°	20.4	0.1
160°-170°	10.6	0.1
170°-180°	3.0	0.0
0°-30°	7851.4	45.3
0°-40°	11949.1	68.9
0°-60°	16211.1	93.5
0°-90°	17035.4	98.2
90°-120°	162.0	0.9
90°-150°	275.9	1.6
90°-180°	310.0	1.8
0°-180°	17345.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10523	
5°	10495	997
15°	10062	2824
25°	8793	4030
35°	6634	4098
45°	3715	2921
55°	1422	1341
65°	403	420
75°	253	264
85°	130	121
90°	50	33
95°	50	41
105°	52	55
115°	52	52
125°	51	46
135°	49	38
145°	48	30
155°	44	20
165°	37	11
175°	30	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10523.1
2.5°	10496.3
5°	10495.1
7.5°	10448.5
10°	10344.8
12.5°	10227.1
15°	10061.7
17.5°	9815.8
20°	9497.7
22.5°	9157.4
25°	8792.7
27.5°	8373.3
30°	7880.4
32.5°	7297.8
35°	6633.6
37.5°	5896.0
40°	5083.8
42.5°	4346.3
45°	3714.7
47.5°	3227.7
50°	2762.7
52.5°	2124.2
55°	1421.6
57.5°	823.8
60°	633.9
62.5°	502.2
65°	403.2
67.5°	330.9
70°	292.5
72.5°	268.0
75°	252.9
77.5°	231.9
80°	202.7
82.5°	169.0
85°	130.5
87.5°	89.7
90°	50.1
92.5°	48.9
95°	50.1
97.5°	51.3
100°	51.3
102.5°	52.4
105°	52.4
107.5°	52.4
110°	52.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	52.4
115°	52.4
117.5°	52.4
120°	51.3
122.5°	51.3
125°	51.3
127.5°	50.1
130°	50.1
132.5°	50.1
135°	48.9
137.5°	48.9
140°	48.9
142.5°	47.8
145°	47.8
147.5°	47.8
150°	46.6
152.5°	45.4
155°	44.3
157.5°	41.9
160°	40.8
162.5°	38.5
165°	37.3
167.5°	35.0
170°	32.6
172.5°	31.5
175°	30.3
177.5°	30.3
180°	30.3

(END OF REPORT)