

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: P1504336

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504336
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-26)
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_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

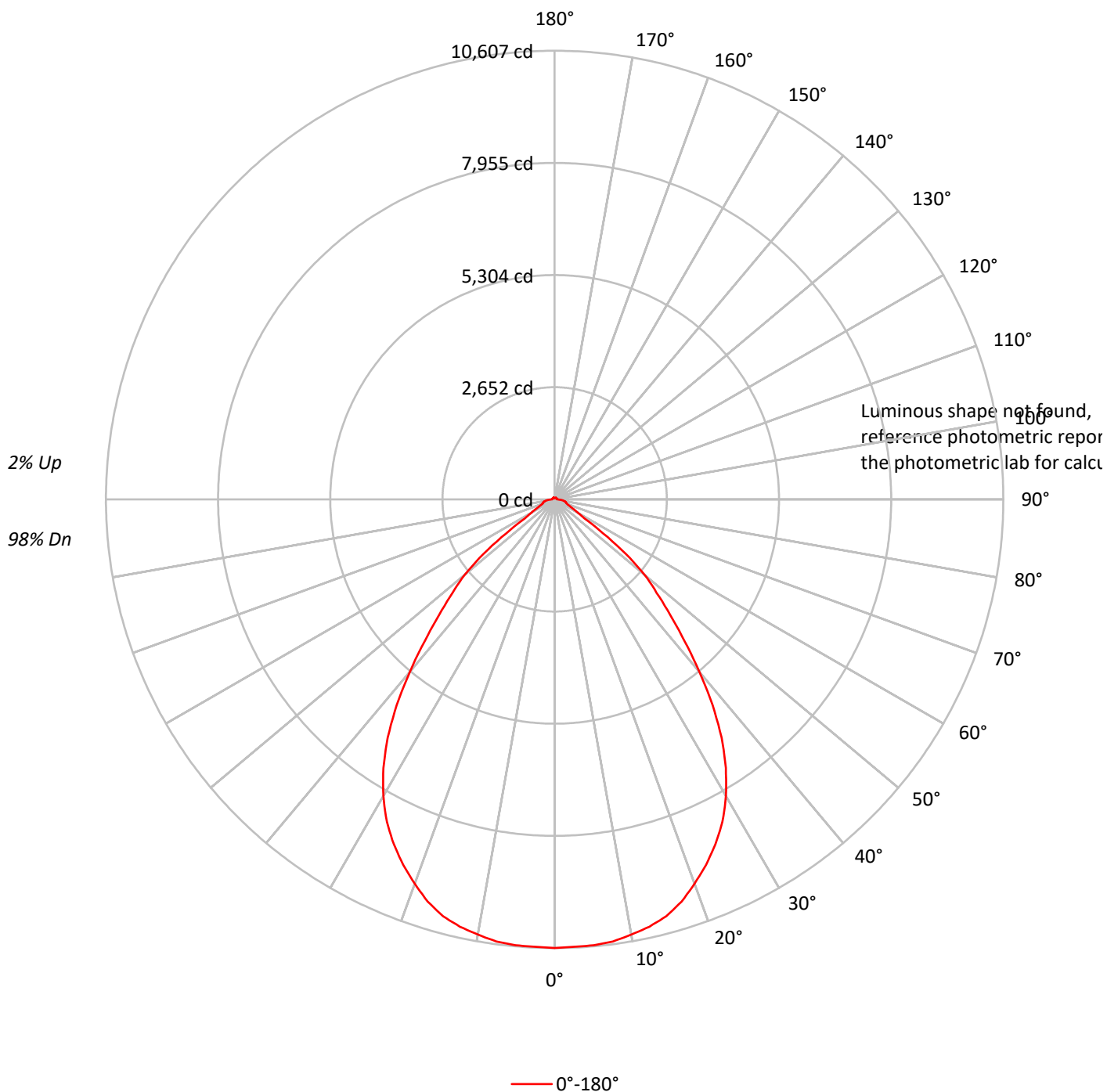
Lumens per Lamp: N/A
Luminaire Lumens: 17802.7 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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	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	98	96	97	95	93	93	91	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	85	83	81	79		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	68	88	79	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	63	59	67	62	59	57		
6	79	68	60	55	77	67	60	55	65	59	54	63	58	54	62	57	53	51		
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	57	52	48	47		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	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°	1006.0	5.7
10°-20°	2864.5	16.1
20°-30°	4124.2	23.2
30°-40°	4245.3	23.8
40°-50°	3017.7	17.0
50°-60°	1339.1	7.5
60°-70°	433.8	2.4
70°-80°	290.1	1.6
80°-90°	164.9	0.9
90°-100°	59.5	0.3
100°-110°	58.3	0.3
110°-120°	53.8	0.3
120°-130°	46.5	0.3
130°-140°	38.3	0.2
140°-150°	30.0	0.2
150°-160°	19.6	0.1
160°-170°	9.0	0.1
170°-180°	2.3	0.0
0°-30°	7994.7	44.9
0°-40°	12240.0	68.8
0°-60°	16596.7	93.2
0°-90°	17485.5	98.2
90°-120°	171.6	1.0
90°-150°	286.3	1.6
90°-180°	317.0	1.8
0°-180°	17802.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10607	
5°	10582	###
15°	10201	2865
25°	8995	4124
35°	6879	4245
45°	3854	3018
55°	1401	1339
65°	418	434
75°	277	290
85°	156	143
90°	55	37
95°	54	45
105°	55	58
115°	54	54
125°	52	46
135°	49	38
145°	48	30
155°	42	20
165°	31	9
175°	23	2
180°	22	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10606.7
2.5°	10585.2
5°	10581.6
7.5°	10540.9
10°	10448.7
12.5°	10346.9
15°	10200.8
17.5°	9970.9
20°	9669.2
22.5°	9350.6
25°	8995.0
27.5°	8592.7
30°	8098.1
32.5°	7530.6
35°	6879.2
37.5°	6130.8
40°	5317.7
42.5°	4549.0
45°	3854.5
47.5°	3269.0
50°	2787.6
52.5°	2123.0
55°	1401.0
57.5°	822.6
60°	638.2
62.5°	514.9
65°	417.9
67.5°	348.4
70°	312.5
72.5°	289.8
75°	276.6
77.5°	258.6
80°	233.5
82.5°	197.6
85°	155.7
87.5°	107.8
90°	55.1
92.5°	53.9
95°	53.9
97.5°	55.1
100°	55.1
102.5°	55.1
105°	55.1
107.5°	55.1
110°	55.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	55.1
115°	53.9
117.5°	53.9
120°	52.7
122.5°	52.7
125°	51.5
127.5°	51.5
130°	50.3
132.5°	50.3
135°	49.1
137.5°	49.1
140°	47.9
142.5°	47.9
145°	47.9
147.5°	47.9
150°	46.7
152.5°	45.5
155°	41.9
157.5°	38.3
160°	37.1
162.5°	33.5
165°	31.1
167.5°	28.7
170°	26.3
172.5°	23.9
175°	22.8
177.5°	21.6
180°	21.6

(END OF REPORT)