

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: P1504339

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504339
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 (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

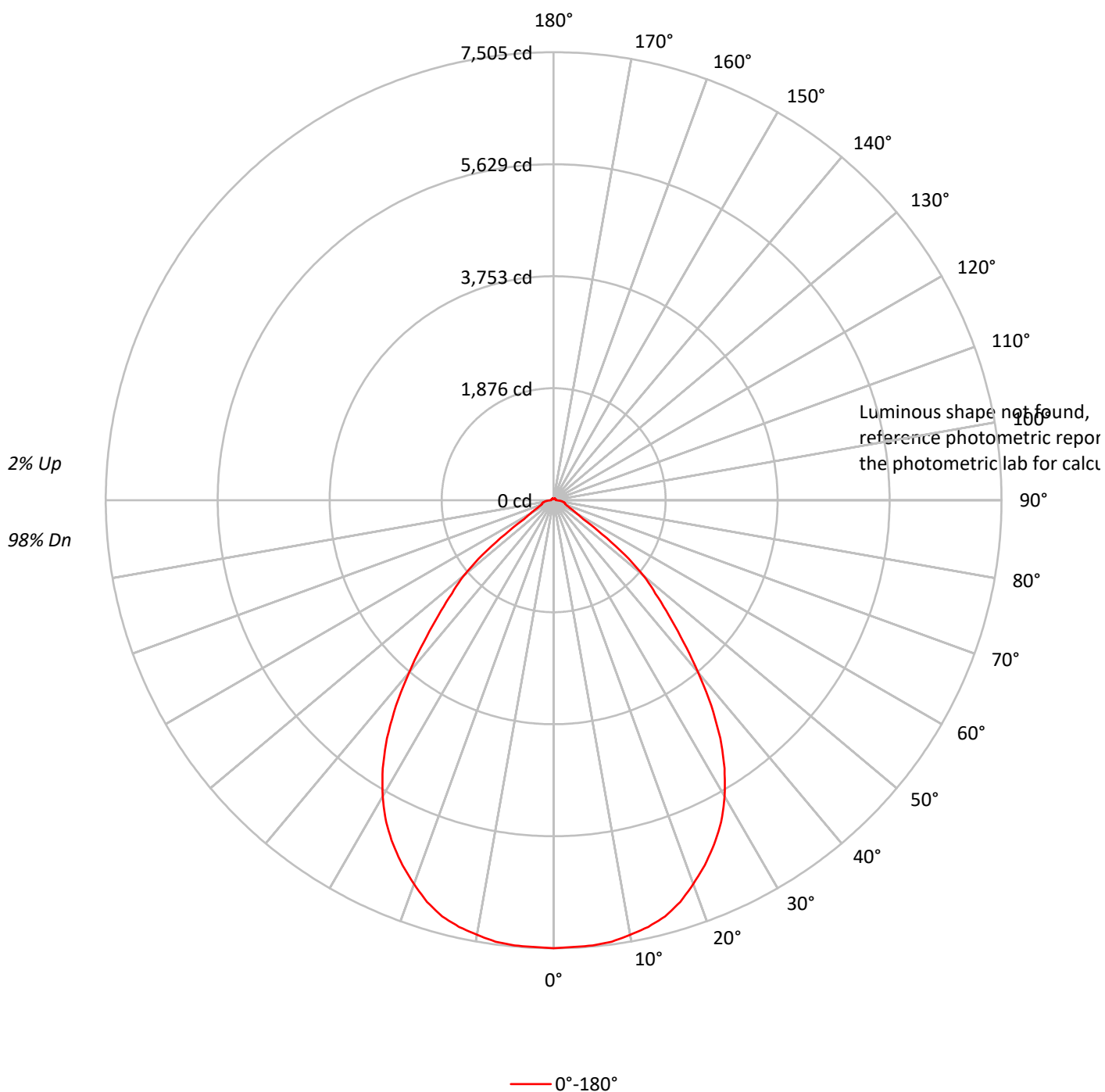
Lumens per Lamp: N/A
Luminaire Lumens: 12595.8 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 83
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°	711.7	5.7
10°-20°	2026.7	16.1
20°-30°	2918.0	23.2
30°-40°	3003.6	23.8
40°-50°	2135.1	17.0
50°-60°	947.4	7.5
60°-70°	306.9	2.4
70°-80°	205.3	1.6
80°-90°	116.6	0.9
90°-100°	42.1	0.3
100°-110°	41.3	0.3
110°-120°	38.1	0.3
120°-130°	32.9	0.3
130°-140°	27.1	0.2
140°-150°	21.2	0.2
150°-160°	13.8	0.1
160°-170°	6.4	0.1
170°-180°	1.6	0.0
0°-30°	5656.5	44.9
0°-40°	8660.1	68.8
0°-60°	11742.6	93.2
0°-90°	12371.5	98.2
90°-120°	121.4	1.0
90°-150°	202.6	1.6
90°-180°	224.0	1.8
0°-180°	12595.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7505	
5°	7487	712
15°	7217	2027
25°	6364	2918
35°	4867	3004
45°	2727	2135
55°	991	947
65°	296	307
75°	196	205
85°	110	101
90°	39	26
95°	38	31
105°	39	41
115°	38	38
125°	36	33
135°	35	27
145°	34	21
155°	30	14
165°	22	6
175°	16	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7504.6
2.5°	7489.3
5°	7486.8
7.5°	7458.0
10°	7392.7
12.5°	7320.7
15°	7217.4
17.5°	7054.7
20°	6841.2
22.5°	6615.8
25°	6364.2
27.5°	6079.6
30°	5729.7
32.5°	5328.1
35°	4867.2
37.5°	4337.7
40°	3762.4
42.5°	3218.5
45°	2727.2
47.5°	2312.9
50°	1972.3
52.5°	1502.1
55°	991.2
57.5°	582.0
60°	451.6
62.5°	364.3
65°	295.7
67.5°	246.5
70°	221.1
72.5°	205.0
75°	195.7
77.5°	183.0
80°	165.2
82.5°	139.8
85°	110.1
87.5°	76.2
90°	39.0
92.5°	38.1
95°	38.1
97.5°	39.0
100°	39.0
102.5°	39.0
105°	39.0
107.5°	39.0
110°	39.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	39.0
115°	38.1
117.5°	38.1
120°	37.3
122.5°	37.3
125°	36.4
127.5°	36.4
130°	35.6
132.5°	35.6
135°	34.7
137.5°	34.7
140°	33.9
142.5°	33.9
145°	33.9
147.5°	33.9
150°	33.0
152.5°	32.2
155°	29.7
157.5°	27.1
160°	26.3
162.5°	23.7
165°	22.0
167.5°	20.3
170°	18.6
172.5°	16.9
175°	16.1
177.5°	15.2
180°	15.2

(END OF REPORT)