

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: P1504324

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (4000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504324
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 (4000K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

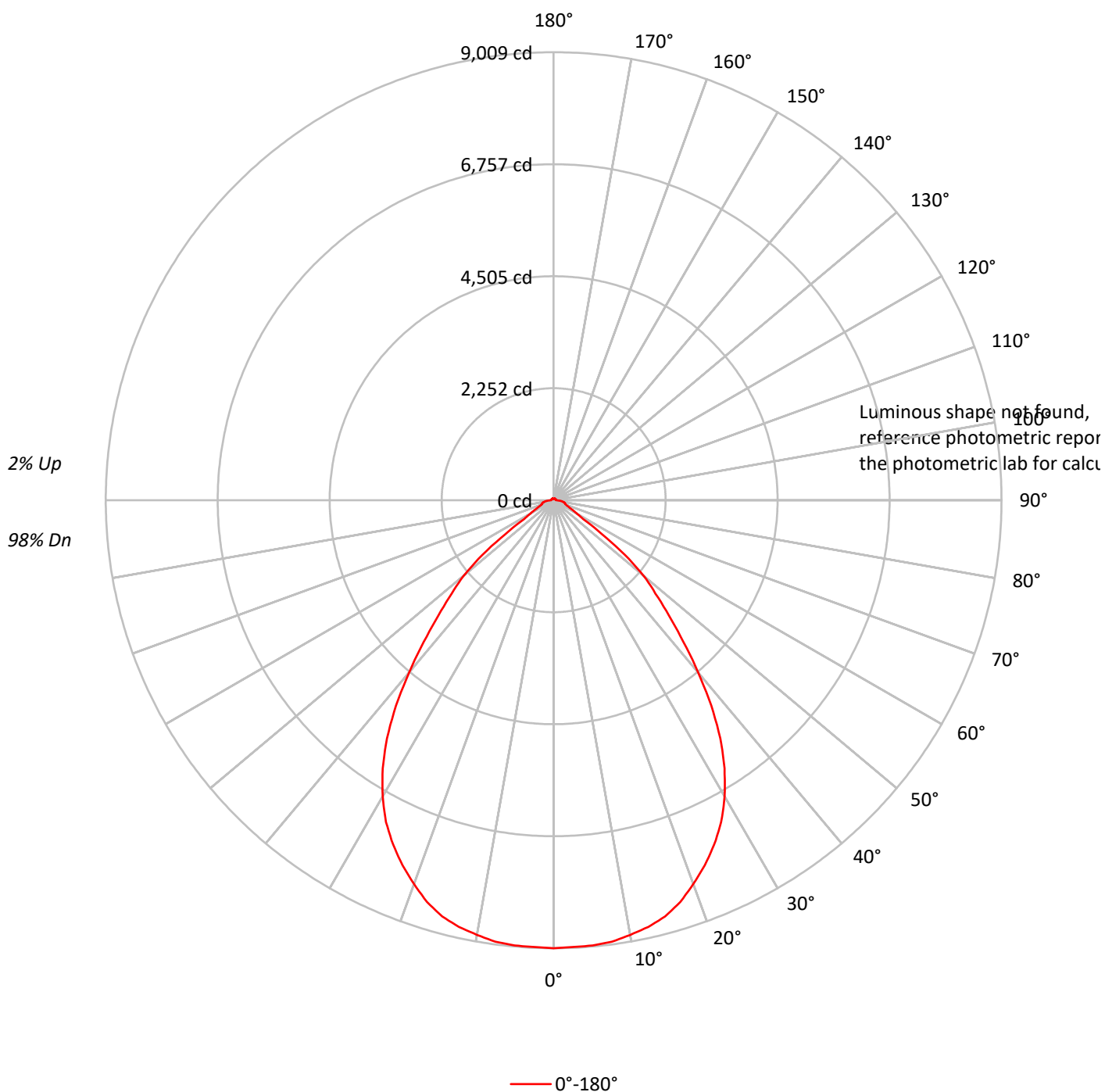
Lumens per Lamp: N/A
Luminaire Lumens: 15121.7 lumens
Efficiency: N/A
Efficacy: 152.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 99.5
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





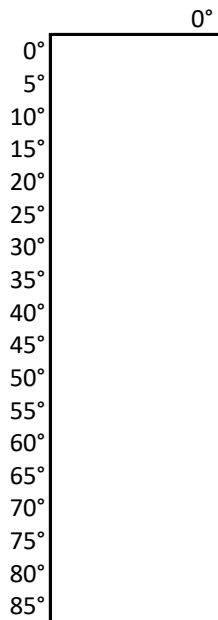
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	854.5	5.7
10°-20°	2433.1	16.1
20°-30°	3503.1	23.2
30°-40°	3605.9	23.8
40°-50°	2563.2	17.0
50°-60°	1137.4	7.5
60°-70°	368.5	2.4
70°-80°	246.4	1.6
80°-90°	140.0	0.9
90°-100°	50.5	0.3
100°-110°	49.5	0.3
110°-120°	45.7	0.3
120°-130°	39.5	0.3
130°-140°	32.5	0.2
140°-150°	25.5	0.2
150°-160°	16.6	0.1
160°-170°	7.7	0.1
170°-180°	1.9	0.0
0°-30°	6790.7	44.9
0°-40°	10396.7	68.8
0°-60°	14097.3	93.2
0°-90°	14852.3	98.2
90°-120°	145.7	1.0
90°-150°	243.2	1.6
90°-180°	269.0	1.8
0°-180°	15121.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9009	
5°	8988	854
15°	8665	2433
25°	7640	3503
35°	5843	3606
45°	3274	2563
55°	1190	1137
65°	355	369
75°	235	246
85°	132	121
90°	47	32
95°	46	38
105°	47	50
115°	46	46
125°	44	39
135°	42	33
145°	41	25
155°	36	17
165°	26	8
175°	19	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9009.4
2.5°	8991.1
5°	8988.1
7.5°	8953.5
10°	8875.2
12.5°	8788.7
15°	8664.6
17.5°	8469.4
20°	8213.0
22.5°	7942.5
25°	7640.4
27.5°	7298.7
30°	6878.6
32.5°	6396.5
35°	5843.2
37.5°	5207.5
40°	4516.9
42.5°	3863.9
45°	3274.0
47.5°	2776.7
50°	2367.8
52.5°	1803.3
55°	1190.0
57.5°	698.7
60°	542.1
62.5°	437.4
65°	355.0
67.5°	296.0
70°	265.5
72.5°	246.1
75°	234.9
77.5°	219.7
80°	198.3
82.5°	167.8
85°	132.2
87.5°	91.5
90°	46.8
92.5°	45.8
95°	45.8
97.5°	46.8
100°	46.8
102.5°	46.8
105°	46.8
107.5°	46.8
110°	46.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	46.8
115°	45.8
117.5°	45.8
120°	44.8
122.5°	44.8
125°	43.7
127.5°	43.7
130°	42.7
132.5°	42.7
135°	41.7
137.5°	41.7
140°	40.7
142.5°	40.7
145°	40.7
147.5°	40.7
150°	39.7
152.5°	38.6
155°	35.6
157.5°	32.5
160°	31.5
162.5°	28.5
165°	26.4
167.5°	24.4
170°	22.4
172.5°	20.3
175°	19.3
177.5°	18.3
180°	18.3

(END OF REPORT)