

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: P1504702

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504702
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 (6500K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

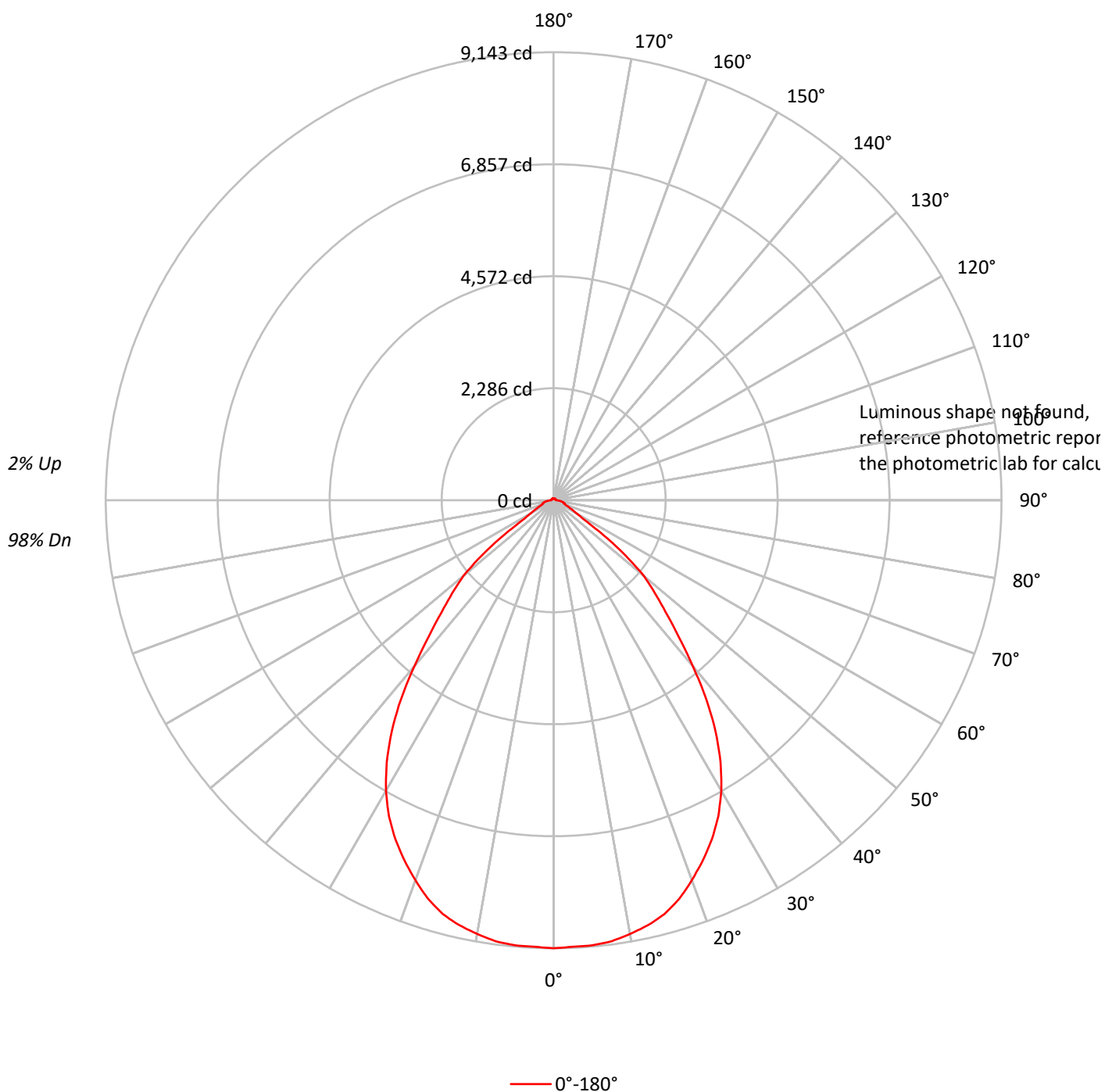
Lumens per Lamp: N/A
Luminaire Lumens: 15070.2 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 102.5
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	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°	866.3	5.7
10°-20°	2454.0	16.3
20°-30°	3501.3	23.2
30°-40°	3560.2	23.6
40°-50°	2537.9	16.8
50°-60°	1165.2	7.7
60°-70°	364.5	2.4
70°-80°	229.6	1.5
80°-90°	122.0	0.8
90°-100°	47.6	0.3
100°-110°	48.1	0.3
110°-120°	45.1	0.3
120°-130°	39.6	0.3
130°-140°	33.2	0.2
140°-150°	26.1	0.2
150°-160°	17.7	0.1
160°-170°	9.2	0.1
170°-180°	2.6	0.0
0°-30°	6821.6	45.3
0°-40°	10381.9	68.9
0°-60°	14084.9	93.5
0°-90°	14801.0	98.2
90°-120°	140.8	0.9
90°-150°	239.7	1.6
90°-180°	269.0	1.8
0°-180°	15070.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9143	
5°	9119	866
15°	8742	2454
25°	7640	3501
35°	5764	3560
45°	3228	2538
55°	1235	1165
65°	350	365
75°	220	230
85°	113	105
90°	44	28
95°	44	36
105°	46	48
115°	46	45
125°	44	40
135°	42	33
145°	42	26
155°	38	18
165°	32	9
175°	26	3
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9142.9
2.5°	9119.6
5°	9118.6
7.5°	9078.1
10°	8988.0
12.5°	8885.7
15°	8742.0
17.5°	8528.4
20°	8252.0
22.5°	7956.4
25°	7639.5
27.5°	7275.0
30°	6846.8
32.5°	6340.6
35°	5763.5
37.5°	5122.7
40°	4417.1
42.5°	3776.2
45°	3227.5
47.5°	2804.3
50°	2400.4
52.5°	1845.6
55°	1235.1
57.5°	715.8
60°	550.7
62.5°	436.3
65°	350.3
67.5°	287.5
70°	254.1
72.5°	232.8
75°	219.7
77.5°	201.5
80°	176.2
82.5°	146.8
85°	113.4
87.5°	78.0
90°	43.5
92.5°	42.5
95°	43.5
97.5°	44.5
100°	44.5
102.5°	45.6
105°	45.6
107.5°	45.6
110°	45.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	45.6
115°	45.6
117.5°	45.6
120°	44.5
122.5°	44.5
125°	44.5
127.5°	43.5
130°	43.5
132.5°	43.5
135°	42.5
137.5°	42.5
140°	42.5
142.5°	41.5
145°	41.5
147.5°	41.5
150°	40.5
152.5°	39.5
155°	38.5
157.5°	36.4
160°	35.4
162.5°	33.4
165°	32.4
167.5°	30.4
170°	28.3
172.5°	27.3
175°	26.3
177.5°	26.3
180°	26.3

(END OF REPORT)