

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: P1504705

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504705
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_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

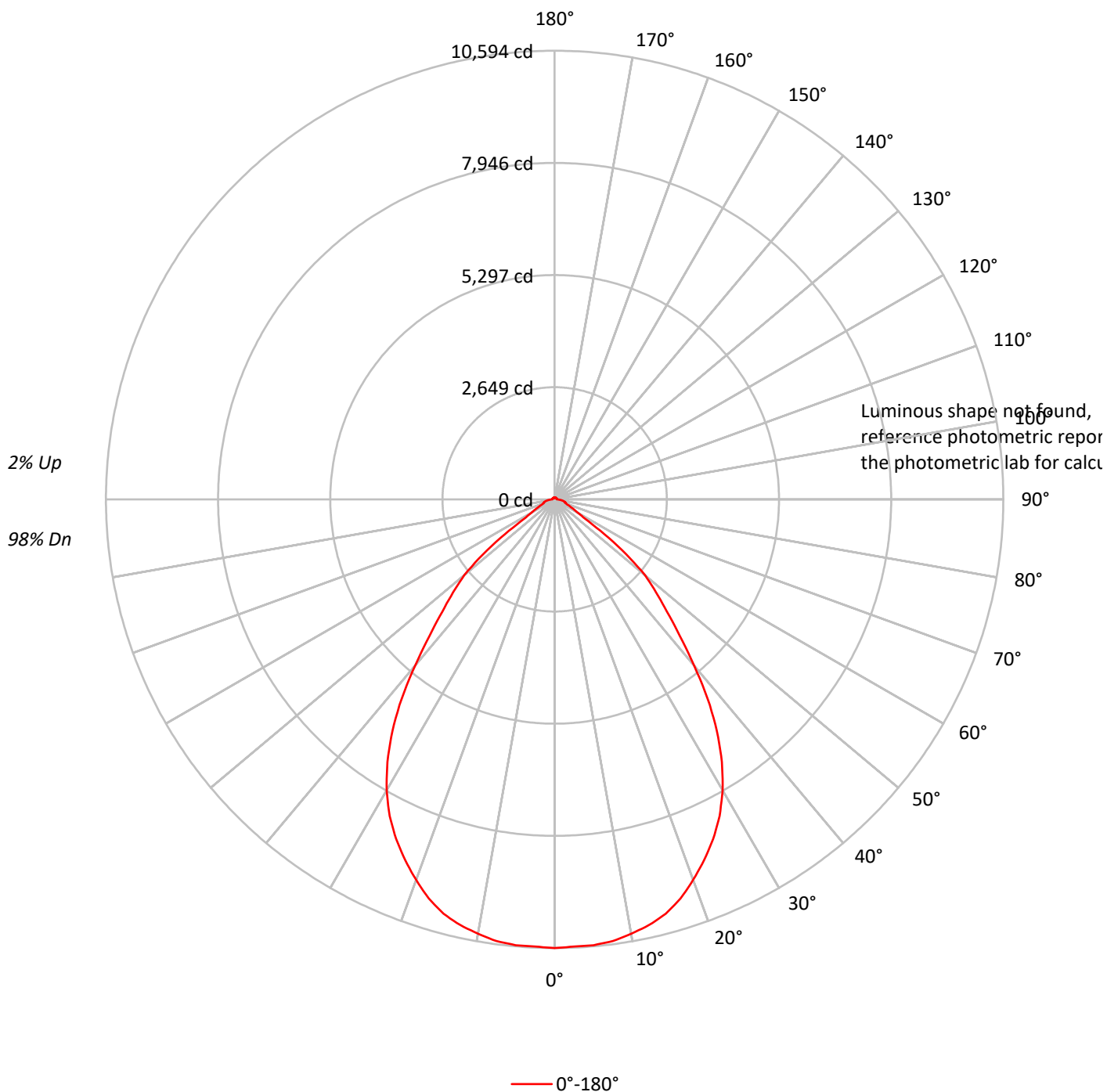
Lumens per Lamp: N/A
Luminaire Lumens: 17462.6 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 123.3
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°	1003.9	5.7
10°-20°	2843.6	16.3
20°-30°	4057.2	23.2
30°-40°	4125.4	23.6
40°-50°	2940.8	16.8
50°-60°	1350.1	7.7
60°-70°	422.4	2.4
70°-80°	266.0	1.5
80°-90°	141.4	0.8
90°-100°	55.2	0.3
100°-110°	55.7	0.3
110°-120°	52.3	0.3
120°-130°	45.9	0.3
130°-140°	38.5	0.2
140°-150°	30.2	0.2
150°-160°	20.5	0.1
160°-170°	10.6	0.1
170°-180°	3.0	0.0
0°-30°	7904.6	45.3
0°-40°	12030.0	68.9
0°-60°	16320.9	93.5
0°-90°	17150.7	98.2
90°-120°	163.1	0.9
90°-150°	277.8	1.6
90°-180°	312.0	1.8
0°-180°	17462.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10594	
5°	10566	###
15°	10130	2844
25°	8852	4057
35°	6678	4125
45°	3740	2941
55°	1431	1350
65°	406	422
75°	255	266
85°	131	122
90°	50	33
95°	50	42
105°	53	56
115°	53	52
125°	52	46
135°	49	39
145°	48	30
155°	45	21
165°	38	11
175°	30	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10594.3
2.5°	10567.3
5°	10566.2
7.5°	10519.2
10°	10414.8
12.5°	10296.4
15°	10129.8
17.5°	9882.3
20°	9562.0
22.5°	9219.4
25°	8852.3
27.5°	8429.9
30°	7933.7
32.5°	7347.2
35°	6678.5
37.5°	5935.9
40°	5118.3
42.5°	4375.7
45°	3739.9
47.5°	3249.5
50°	2781.4
52.5°	2138.6
55°	1431.2
57.5°	829.4
60°	638.2
62.5°	505.6
65°	405.9
67.5°	333.2
70°	294.4
72.5°	269.8
75°	254.6
77.5°	233.4
80°	204.1
82.5°	170.1
85°	131.4
87.5°	90.3
90°	50.4
92.5°	49.3
95°	50.4
97.5°	51.6
100°	51.6
102.5°	52.8
105°	52.8
107.5°	52.8
110°	52.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	52.8
115°	52.8
117.5°	52.8
120°	51.6
122.5°	51.6
125°	51.6
127.5°	50.4
130°	50.4
132.5°	50.4
135°	49.3
137.5°	49.3
140°	49.3
142.5°	48.1
145°	48.1
147.5°	48.1
150°	46.9
152.5°	45.8
155°	44.6
157.5°	42.2
160°	41.1
162.5°	38.7
165°	37.5
167.5°	35.2
170°	32.8
172.5°	31.7
175°	30.5
177.5°	30.5
180°	30.5

(END OF REPORT)