

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: P1504312

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504312
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

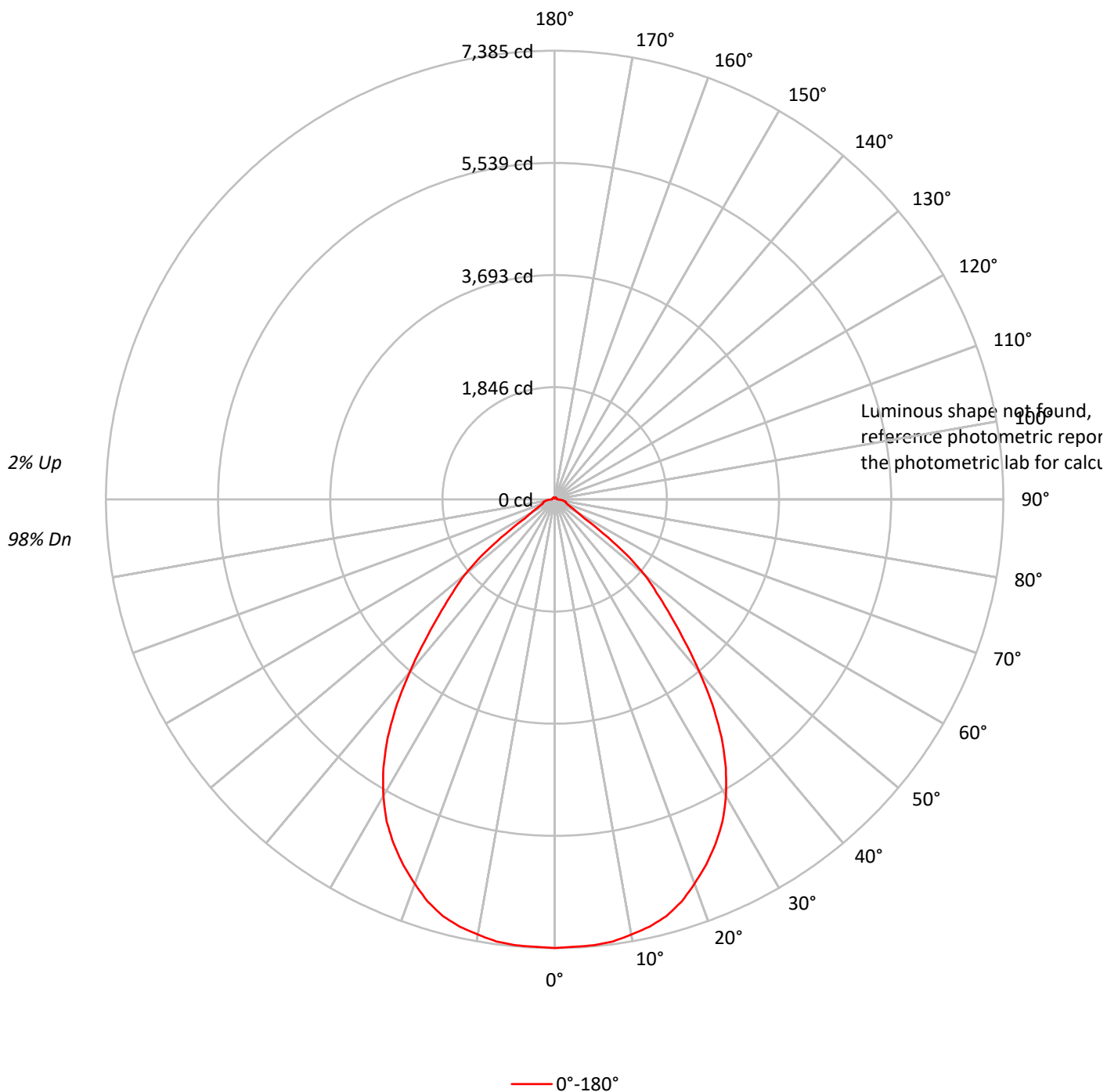
Lumens per Lamp: N/A
Luminaire Lumens: 12395.1 lumens
Efficiency: N/A
Efficacy: 151.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 81.7
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°	700.4	5.7
10°-20°	1994.4	16.1
20°-30°	2871.5	23.2
30°-40°	2955.7	23.8
40°-50°	2101.0	17.0
50°-60°	932.3	7.5
60°-70°	302.1	2.4
70°-80°	202.0	1.6
80°-90°	114.8	0.9
90°-100°	41.4	0.3
100°-110°	40.6	0.3
110°-120°	37.5	0.3
120°-130°	32.3	0.3
130°-140°	26.6	0.2
140°-150°	20.9	0.2
150°-160°	13.6	0.1
160°-170°	6.3	0.1
170°-180°	1.6	0.0
0°-30°	5566.3	44.9
0°-40°	8522.0	68.8
0°-60°	11555.3	93.2
0°-90°	12174.2	98.2
90°-120°	119.5	1.0
90°-150°	199.4	1.6
90°-180°	221.0	1.8
0°-180°	12395.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7385	
5°	7367	700
15°	7102	1994
25°	6263	2871
35°	4790	2956
45°	2684	2101
55°	975	932
65°	291	302
75°	193	202
85°	108	99
90°	38	26
95°	38	31
105°	38	41
115°	38	37
125°	36	32
135°	34	27
145°	33	21
155°	29	14
165°	22	6
175°	16	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7384.9
2.5°	7369.9
5°	7367.4
7.5°	7339.0
10°	7274.8
12.5°	7204.0
15°	7102.3
17.5°	6942.2
20°	6732.1
22.5°	6510.3
25°	6262.7
27.5°	5982.6
30°	5638.3
32.5°	5243.1
35°	4789.6
37.5°	4268.5
40°	3702.4
42.5°	3167.2
45°	2683.7
47.5°	2276.0
50°	1940.8
52.5°	1478.1
55°	975.4
57.5°	572.8
60°	444.4
62.5°	358.5
65°	291.0
67.5°	242.6
70°	217.6
72.5°	201.8
75°	192.6
77.5°	180.1
80°	162.6
82.5°	137.6
85°	108.4
87.5°	75.0
90°	38.4
92.5°	37.5
95°	37.5
97.5°	38.4
100°	38.4
102.5°	38.4
105°	38.4
107.5°	38.4
110°	38.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.4
115°	37.5
117.5°	37.5
120°	36.7
122.5°	36.7
125°	35.8
127.5°	35.8
130°	35.0
132.5°	35.0
135°	34.2
137.5°	34.2
140°	33.3
142.5°	33.3
145°	33.3
147.5°	33.3
150°	32.5
152.5°	31.7
155°	29.2
157.5°	26.7
160°	25.8
162.5°	23.3
165°	21.7
167.5°	20.0
170°	18.3
172.5°	16.7
175°	15.8
177.5°	15.0
180°	15.0

(END OF REPORT)