

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: P1504303

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504303
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

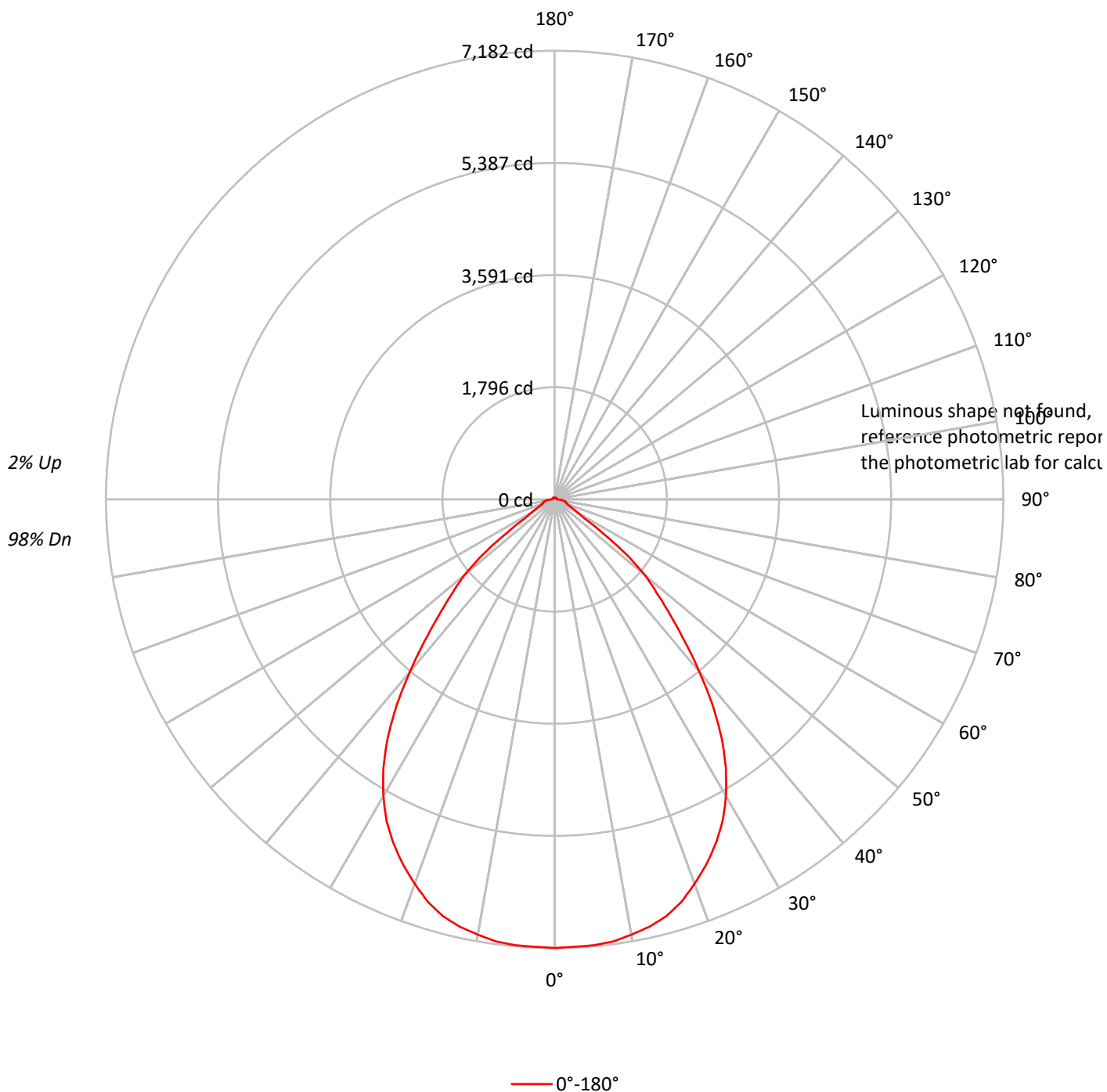
Lumens per Lamp: N/A
Luminaire Lumens: 12054.8 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 82.8
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





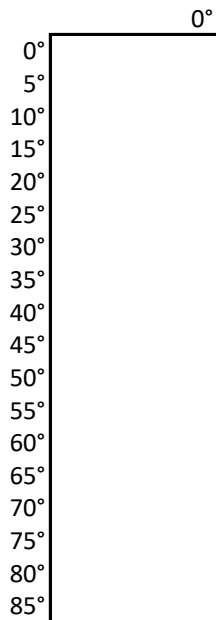
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	681.2	5.7
10°-20°	1939.7	16.1
20°-30°	2792.7	23.2
30°-40°	2874.6	23.8
40°-50°	2043.4	17.0
50°-60°	906.7	7.5
60°-70°	293.8	2.4
70°-80°	196.4	1.6
80°-90°	111.7	0.9
90°-100°	40.3	0.3
100°-110°	39.5	0.3
110°-120°	36.4	0.3
120°-130°	31.5	0.3
130°-140°	25.9	0.2
140°-150°	20.3	0.2
150°-160°	13.2	0.1
160°-170°	6.1	0.1
170°-180°	1.5	0.0
0°-30°	5413.5	44.9
0°-40°	8288.1	68.8
0°-60°	11238.2	93.2
0°-90°	11840.1	98.2
90°-120°	116.2	1.0
90°-150°	193.9	1.6
90°-180°	215.0	1.8
0°-180°	12054.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7182	
5°	7165	681
15°	6907	1940
25°	6091	2793
35°	4658	2875
45°	2610	2043
55°	949	907
65°	283	294
75°	187	196
85°	105	97
90°	37	25
95°	36	30
105°	37	39
115°	36	36
125°	35	32
135°	33	26
145°	32	20
155°	28	13
165°	21	6
175°	15	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7182.2
2.5°	7167.6
5°	7165.2
7.5°	7137.6
10°	7075.2
12.5°	7006.3
15°	6907.3
17.5°	6751.7
20°	6547.3
22.5°	6331.7
25°	6090.8
27.5°	5818.4
30°	5483.5
32.5°	5099.2
35°	4658.1
37.5°	4151.4
40°	3600.8
42.5°	3080.3
45°	2610.0
47.5°	2213.5
50°	1887.6
52.5°	1437.6
55°	948.7
57.5°	557.0
60°	432.2
62.5°	348.7
65°	283.0
67.5°	235.9
70°	211.6
72.5°	196.2
75°	187.3
77.5°	175.1
80°	158.1
82.5°	133.8
85°	105.4
87.5°	73.0
90°	37.3
92.5°	36.5
95°	36.5
97.5°	37.3
100°	37.3
102.5°	37.3
105°	37.3
107.5°	37.3
110°	37.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	37.3
115°	36.5
117.5°	36.5
120°	35.7
122.5°	35.7
125°	34.9
127.5°	34.9
130°	34.1
132.5°	34.1
135°	33.2
137.5°	33.2
140°	32.4
142.5°	32.4
145°	32.4
147.5°	32.4
150°	31.6
152.5°	30.8
155°	28.4
157.5°	25.9
160°	25.1
162.5°	22.7
165°	21.1
167.5°	19.5
170°	17.8
172.5°	16.2
175°	15.4
177.5°	14.6
180°	14.6

(END OF REPORT)