

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: P1504321

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504321
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_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

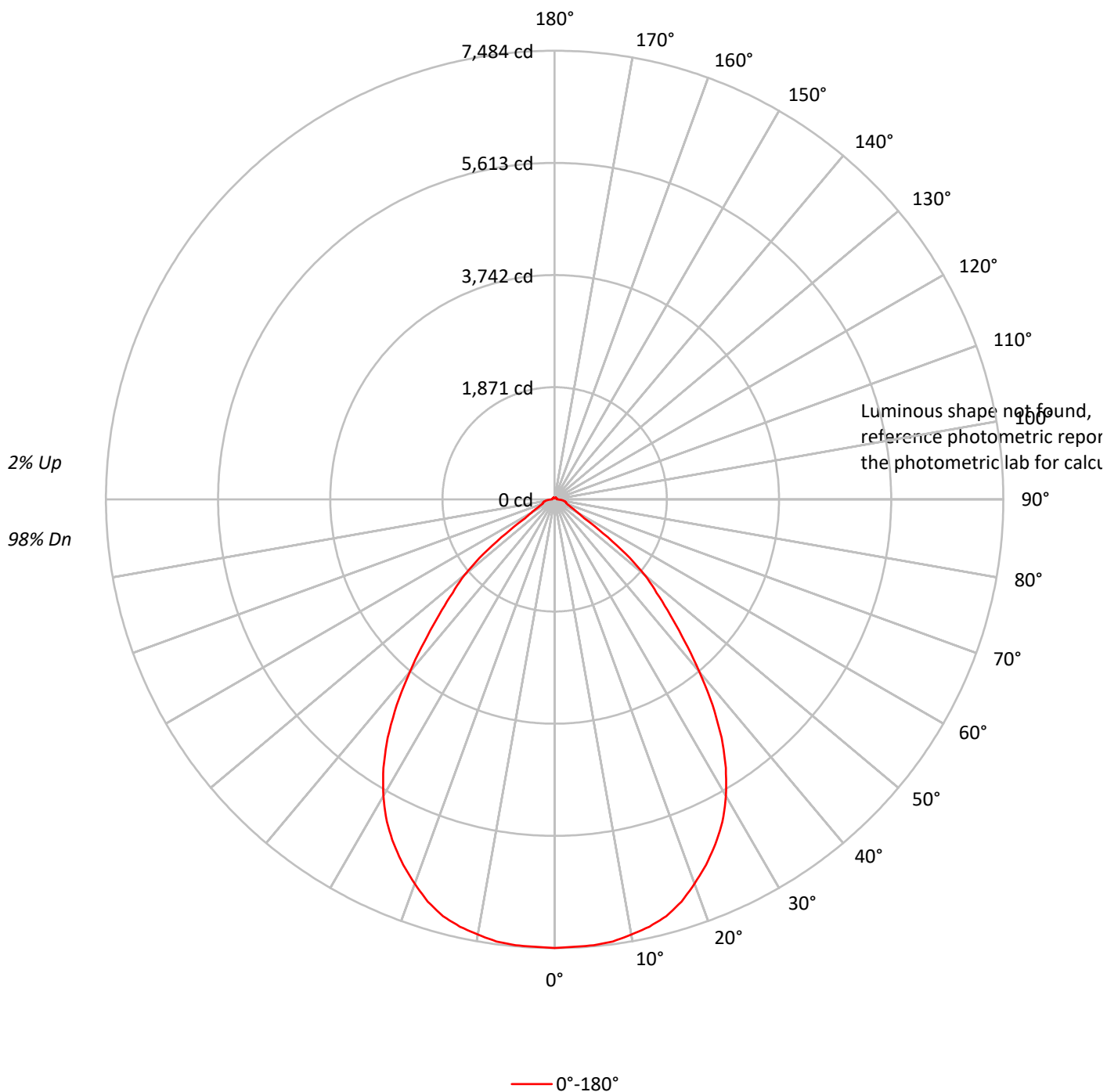
Lumens per Lamp: N/A
Luminaire Lumens: 12560.6 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 80.7
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





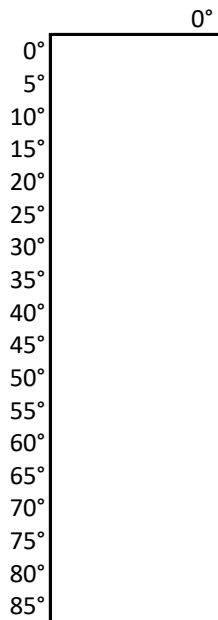
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	709.8	5.7
10°-20°	2021.0	16.1
20°-30°	2909.8	23.2
30°-40°	2995.2	23.8
40°-50°	2129.1	17.0
50°-60°	944.8	7.5
60°-70°	306.1	2.4
70°-80°	204.7	1.6
80°-90°	116.3	0.9
90°-100°	42.0	0.3
100°-110°	41.2	0.3
110°-120°	38.0	0.3
120°-130°	32.8	0.3
130°-140°	27.0	0.2
140°-150°	21.2	0.2
150°-160°	13.8	0.1
160°-170°	6.4	0.1
170°-180°	1.6	0.0
0°-30°	5640.6	44.9
0°-40°	8635.8	68.8
0°-60°	11709.7	93.2
0°-90°	12336.8	98.2
90°-120°	121.1	1.0
90°-150°	202.0	1.6
90°-180°	224.0	1.8
0°-180°	12560.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7484	
5°	7466	710
15°	7197	2021
25°	6346	2910
35°	4854	2995
45°	2720	2129
55°	988	945
65°	295	306
75°	195	205
85°	110	101
90°	39	26
95°	38	31
105°	39	41
115°	38	38
125°	36	33
135°	35	27
145°	34	21
155°	30	14
165°	22	6
175°	16	2
180°	15	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7483.5
2.5°	7468.3
5°	7465.8
7.5°	7437.1
10°	7372.0
12.5°	7300.2
15°	7197.1
17.5°	7034.9
20°	6822.0
22.5°	6597.3
25°	6346.4
27.5°	6062.5
30°	5713.6
32.5°	5313.2
35°	4853.6
37.5°	4325.5
40°	3751.9
42.5°	3209.5
45°	2719.5
47.5°	2306.4
50°	1966.8
52.5°	1497.9
55°	988.5
57.5°	580.4
60°	450.3
62.5°	363.3
65°	294.8
67.5°	245.8
70°	220.5
72.5°	204.4
75°	195.2
77.5°	182.5
80°	164.7
82.5°	139.4
85°	109.8
87.5°	76.0
90°	38.9
92.5°	38.0
95°	38.0
97.5°	38.9
100°	38.9
102.5°	38.9
105°	38.9
107.5°	38.9
110°	38.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.9
115°	38.0
117.5°	38.0
120°	37.2
122.5°	37.2
125°	36.3
127.5°	36.3
130°	35.5
132.5°	35.5
135°	34.6
137.5°	34.6
140°	33.8
142.5°	33.8
145°	33.8
147.5°	33.8
150°	32.9
152.5°	32.1
155°	29.6
157.5°	27.0
160°	26.2
162.5°	23.7
165°	22.0
167.5°	20.3
170°	18.6
172.5°	16.9
175°	16.1
177.5°	15.2
180°	15.2

(END OF REPORT)