

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: P1504492

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504492
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-50)
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-06-TRWH-PS (3500K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

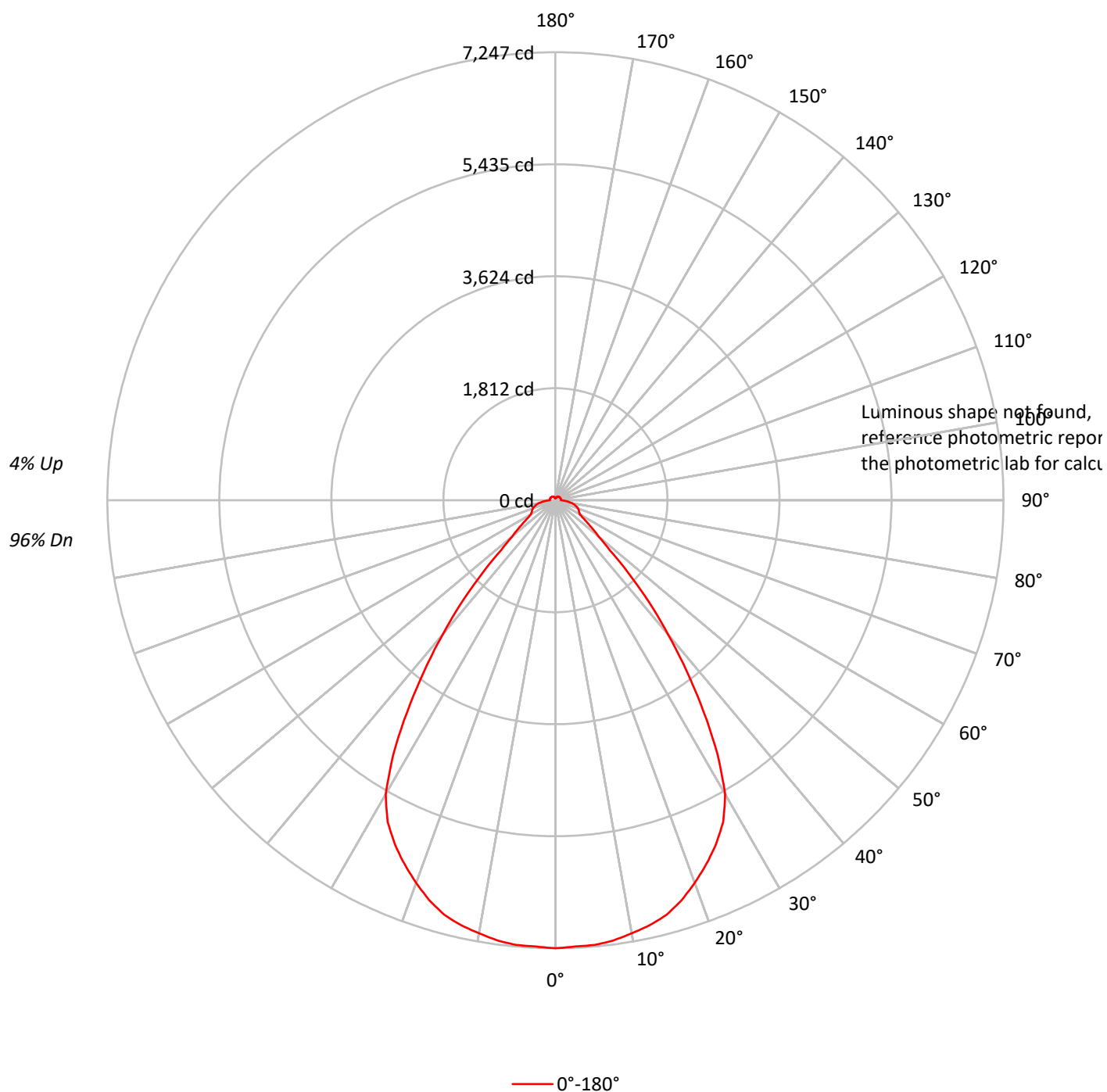
Lumens per Lamp: N/A
Luminaire Lumens: 11410.5 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

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



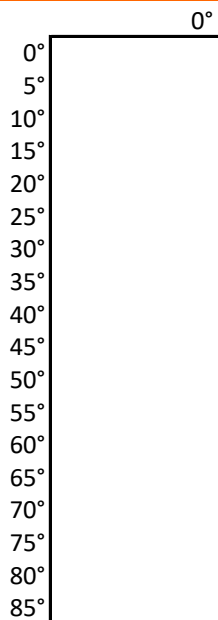
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		103	103	103		98	98	98
1	110	106	103	100	107	104	101	98		99	96	94		94	92	90		90	88	87
2	103	96	91	86	100	94	89	85		90	86	83		86	83	80		83	80	78
3	96	88	81	76	93	86	80	75		82	77	73		79	75	72		76	73	70
4	90	80	73	68	87	79	72	67		76	70	66		73	68	65		71	67	63
5	84	74	66	61	82	72	66	60		70	64	59		68	63	59		65	61	58
6	79	68	61	55	77	67	60	55		65	59	54		63	57	53		61	56	53
7	74	63	55	50	72	62	55	50		60	54	49		58	53	49		57	52	48
8	70	58	51	46	68	57	51	46		56	50	45		54	49	45		53	48	45
9	66	54	47	43	64	54	47	42		52	46	42		51	45	42		50	45	41
10	62	51	44	39	61	50	44	39		49	43	39		48	42	39		47	42	38

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	685.8	6.0
10°-20°	1949.7	17.1
20°-30°	2812.3	24.6
30°-40°	2593.1	22.7
40°-50°	1329.0	11.6
50°-60°	576.9	5.1
60°-70°	417.5	3.7
70°-80°	352.3	3.1
80°-90°	193.6	1.7
90°-100°	96.7	0.8
100°-110°	94.3	0.8
110°-120°	86.2	0.8
120°-130°	74.1	0.6
130°-140°	59.8	0.5
140°-150°	44.6	0.4
150°-160°	28.3	0.2
160°-170°	13.3	0.1
170°-180°	3.2	0.0
0°-30°	5447.8	47.7
0°-40°	8040.9	70.5
0°-60°	9946.7	87.2
0°-90°	10910.1	95.6
90°-120°	277.1	2.4
90°-150°	455.6	4.0
90°-180°	500.0	4.4
0°-180°	11410.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7247	
5°	7221	686
15°	6943	1950
25°	6143	2812
35°	4183	2593
45°	1667	1329
55°	627	577
65°	419	418
75°	337	352
85°	178	163
90°	89	54
95°	88	72
105°	89	94
115°	87	86
125°	83	74
135°	77	60
145°	71	45
155°	60	28
165°	45	13
175°	32	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7246.6
2.5°	7225.1
5°	7221.2
7.5°	7182.9
10°	7111.3
12.5°	7042.8
15°	6943.3
17.5°	6784.0
20°	6586.5
22.5°	6374.0
25°	6143.0
27.5°	5872.3
30°	5489.3
32.5°	4884.2
35°	4182.7
37.5°	3491.5
40°	2837.8
42.5°	2240.6
45°	1667.3
47.5°	1190.4
50°	912.5
52.5°	756.4
55°	627.4
57.5°	520.7
60°	457.8
62.5°	434.8
65°	418.8
67.5°	406.9
70°	389.4
72.5°	366.3
75°	336.8
77.5°	303.4
80°	265.1
82.5°	223.7
85°	178.4
87.5°	131.4
90°	89.2
92.5°	87.6
95°	88.4
97.5°	89.2
100°	89.2
102.5°	89.2
105°	89.2
107.5°	89.2
110°	88.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	87.6
115°	86.8
117.5°	86.0
120°	85.2
122.5°	83.6
125°	82.8
127.5°	81.2
130°	79.6
132.5°	78.8
135°	77.2
137.5°	75.6
140°	74.1
142.5°	72.5
145°	70.9
147.5°	69.3
150°	67.7
152.5°	64.5
155°	60.5
157.5°	57.3
160°	54.1
162.5°	50.2
165°	45.4
167.5°	42.2
170°	38.2
172.5°	34.2
175°	31.8
177.5°	30.3
180°	30.3

(END OF REPORT)