

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: P1504483

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504483
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 (3000K_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

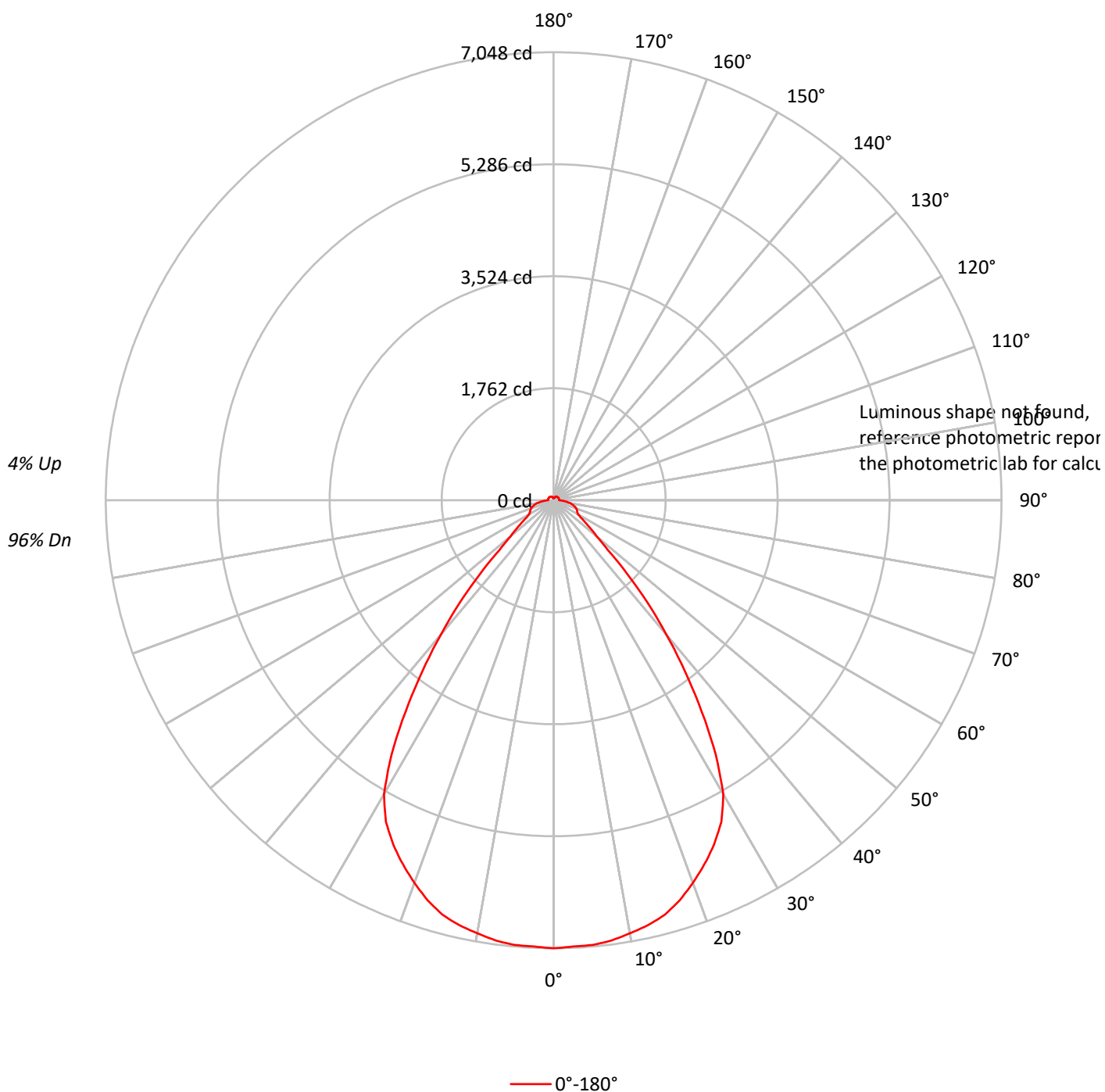
Lumens per Lamp: N/A
Luminaire Lumens: 11097.4 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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



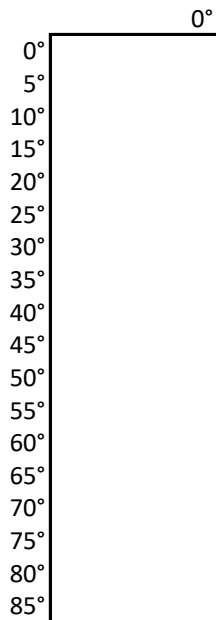
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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	98	98	98	98	98			
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	87	87	87	87	85			
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	78	78	78	78	76			
3	96	88	81	76	93	86	80	75	82	77	73	79	75	72	76	73	70	70	70	70	70	68			
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	63	63	63	63	61			
5	84	74	66	61	82	72	66	60	70	64	59	68	63	59	65	61	58	58	58	58	58	56			
6	79	68	61	55	77	67	60	55	65	59	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	47			
8	70	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	45	45	45	45	45	43			
9	66	54	47	43	64	54	47	42	52	46	42	51	45	42	50	45	41	41	41	41	41	40			
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	38	38	38	38	37			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.9	6.0
10°-20°	1896.2	17.1
20°-30°	2735.1	24.6
30°-40°	2521.9	22.7
40°-50°	1292.6	11.6
50°-60°	561.1	5.1
60°-70°	406.0	3.7
70°-80°	342.6	3.1
80°-90°	188.3	1.7
90°-100°	94.0	0.8
100°-110°	91.6	0.8
110°-120°	83.8	0.8
120°-130°	72.0	0.6
130°-140°	58.2	0.5
140°-150°	43.4	0.4
150°-160°	27.6	0.2
160°-170°	12.9	0.1
170°-180°	3.1	0.0
0°-30°	5298.3	47.7
0°-40°	7820.2	70.5
0°-60°	9673.8	87.2
0°-90°	10610.7	95.6
90°-120°	269.4	2.4
90°-150°	443.0	4.0
90°-180°	487.0	4.4
0°-180°	11097.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7048	
5°	7023	667
15°	6753	1896
25°	5974	2735
35°	4068	2522
45°	1622	1293
55°	610	561
65°	407	406
75°	328	343
85°	174	159
90°	87	53
95°	86	70
105°	87	92
115°	84	84
125°	80	72
135°	75	58
145°	69	43
155°	59	28
165°	44	13
175°	31	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7047.7
2.5°	7026.8
5°	7023.0
7.5°	6985.8
10°	6916.1
12.5°	6849.5
15°	6752.7
17.5°	6597.8
20°	6405.8
22.5°	6199.0
25°	5974.4
27.5°	5711.1
30°	5338.7
32.5°	4750.1
35°	4067.9
37.5°	3395.7
40°	2759.9
42.5°	2179.1
45°	1621.6
47.5°	1157.7
50°	887.5
52.5°	735.7
55°	610.2
57.5°	506.5
60°	445.3
62.5°	422.8
65°	407.3
67.5°	395.7
70°	378.7
72.5°	356.2
75°	327.6
77.5°	295.0
80°	257.9
82.5°	217.6
85°	173.5
87.5°	127.8
90°	86.7
92.5°	85.2
95°	86.0
97.5°	86.7
100°	86.7
102.5°	86.7
105°	86.7
107.5°	86.7
110°	86.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	85.2
115°	84.4
117.5°	83.6
120°	82.9
122.5°	81.3
125°	80.5
127.5°	79.0
130°	77.4
132.5°	76.7
135°	75.1
137.5°	73.6
140°	72.0
142.5°	70.5
145°	68.9
147.5°	67.4
150°	65.8
152.5°	62.7
155°	58.9
157.5°	55.8
160°	52.7
162.5°	48.8
165°	44.1
167.5°	41.0
170°	37.2
172.5°	33.3
175°	31.0
177.5°	29.4
180°	29.4

(END OF REPORT)