

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: P1504870

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504870
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-62)
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-B-06-TRWH-PS (5000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

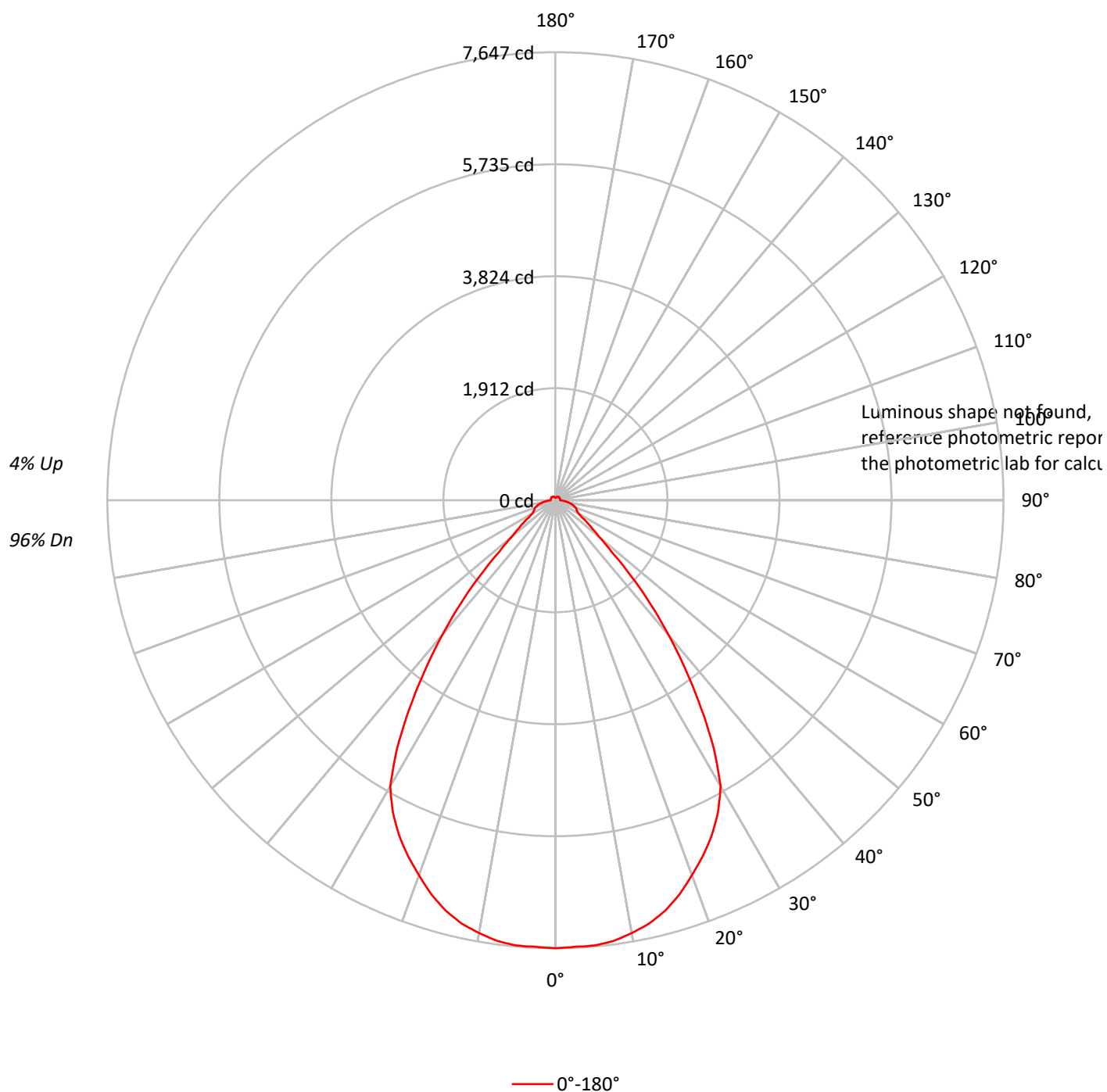
Lumens per Lamp: N/A
Luminaire Lumens: 11728.4 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.1
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	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	88	88	88	88	86			
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	79	79	79	79	76			
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	71	71	71	71	69			
4	90	81	74	68	88	79	73	68	76	71	66	74	69	65	71	67	64	64	64	64	64	62			
5	84	74	67	62	82	73	66	61	70	65	60	68	63	59	66	62	58	58	58	58	58	56			
6	79	68	61	56	77	67	60	55	65	59	55	63	58	54	61	57	53	53	53	53	53	51			
7	74	63	56	51	73	62	55	51	61	54	50	59	53	49	57	53	49	49	49	49	49	47			
8	70	59	52	47	68	58	51	46	56	50	46	55	49	46	54	49	45	45	45	45	45	43			
9	66	55	48	43	65	54	47	43	53	47	42	51	46	42	50	45	42	42	42	42	42	40			
10	62	51	44	40	61	50	44	40	49	43	39	48	43	39	47	42	39	39	39	39	39	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°	724.2	6.2
10°-20°	2034.9	17.4
20°-30°	2890.8	24.6
30°-40°	2692.5	23.0
40°-50°	1430.5	12.2
50°-60°	598.4	5.1
60°-70°	401.8	3.4
70°-80°	317.1	2.7
80°-90°	162.9	1.4
90°-100°	86.3	0.7
100°-110°	86.2	0.7
110°-120°	80.7	0.7
120°-130°	71.1	0.6
130°-140°	58.2	0.5
140°-150°	44.3	0.4
150°-160°	29.5	0.3
160°-170°	15.0	0.1
170°-180°	4.1	0.0
0°-30°	5649.9	48.2
0°-40°	8342.3	71.1
0°-60°	10371.2	88.4
0°-90°	11253.1	95.9
90°-120°	253.2	2.2
90°-150°	426.8	3.6
90°-180°	475.0	4.0
0°-180°	11728.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7647	
5°	7630	724
15°	7251	2035
25°	6312	2891
35°	4340	2692
45°	1815	1431
55°	652	598
65°	402	402
75°	302	317
85°	148	137
90°	78	47
95°	79	65
105°	82	86
115°	82	81
125°	79	71
135°	75	58
145°	70	44
155°	64	29
165°	52	15
175°	41	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7647.1
2.5°	7629.1
5°	7630.0
7.5°	7587.5
10°	7502.6
12.5°	7398.1
15°	7251.2
17.5°	7049.5
20°	6811.9
22.5°	6571.9
25°	6311.5
27.5°	6007.8
30°	5638.8
32.5°	5031.4
35°	4339.9
37.5°	3659.0
40°	3005.9
42.5°	2401.0
45°	1814.8
47.5°	1295.6
50°	978.0
52.5°	789.4
55°	652.3
57.5°	529.8
60°	454.7
62.5°	422.9
65°	401.7
67.5°	387.0
70°	364.9
72.5°	336.4
75°	302.1
77.5°	266.1
80°	227.8
82.5°	187.0
85°	147.8
87.5°	110.2
90°	78.4
92.5°	77.6
95°	79.2
97.5°	80.0
100°	80.8
102.5°	81.6
105°	81.6
107.5°	81.6
110°	81.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	81.6
115°	81.6
117.5°	80.8
120°	80.8
122.5°	80.0
125°	79.2
127.5°	78.4
130°	77.6
132.5°	75.9
135°	75.1
137.5°	74.3
140°	72.7
142.5°	71.8
145°	70.2
147.5°	69.4
150°	67.8
152.5°	66.1
155°	63.7
157.5°	60.4
160°	58.8
162.5°	55.5
165°	52.2
167.5°	49.0
170°	45.7
172.5°	42.5
175°	40.8
177.5°	41.6
180°	40.8

(END OF REPORT)