

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: P1504518

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504518
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-51)
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 (5000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

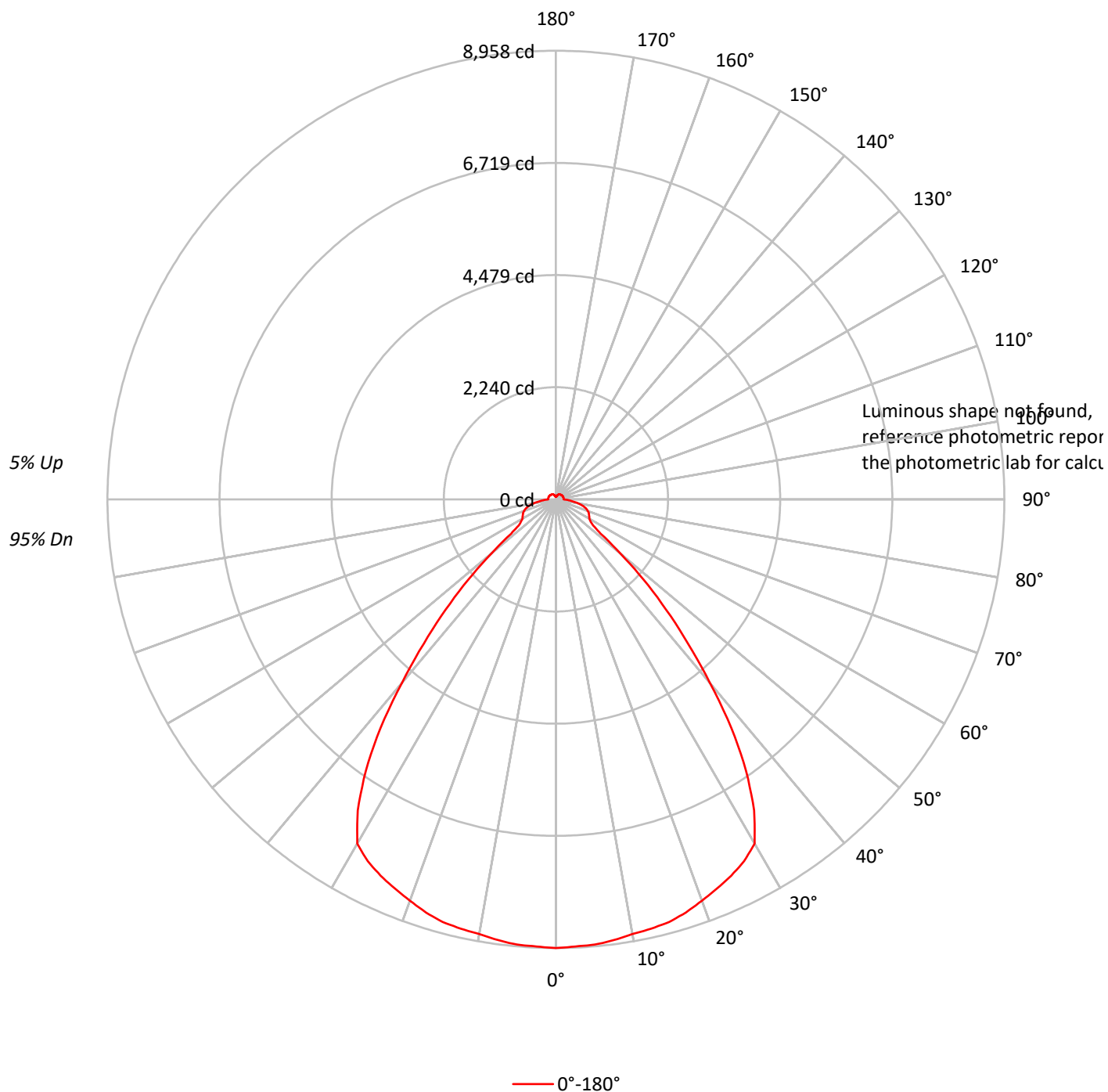
Lumens per Lamp: N/A
Luminaire Lumens: 17033.2 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.1
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	0		
RCR																				
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95		
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83		
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	78	76	74		
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	65		
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	59		
5	82	71	64	58	80	70	63	58	68	61	57	65	60	56	63	58	55	53		
6	77	65	58	52	75	64	57	52	62	56	51	60	55	50	58	53	50	48		
7	72	60	53	47	70	59	52	47	57	51	47	56	50	46	54	49	45	43		
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	50	45	41	40		
9	63	52	44	40	62	51	44	39	49	43	39	48	43	39	47	42	38	36		
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	848.0	5.0
10°-20°	2464.4	14.5
20°-30°	3819.4	22.4
30°-40°	4062.9	23.9
40°-50°	2412.6	14.2
50°-60°	909.6	5.3
60°-70°	723.1	4.2
70°-80°	613.7	3.6
80°-90°	320.2	1.9
90°-100°	166.5	1.0
100°-110°	162.9	1.0
110°-120°	149.1	0.9
120°-130°	127.7	0.7
130°-140°	102.5	0.6
140°-150°	76.0	0.4
150°-160°	47.7	0.3
160°-170°	21.8	0.1
170°-180°	5.2	0.0
0°-30°	7131.9	41.9
0°-40°	11194.8	65.7
0°-60°	14516.9	85.2
0°-90°	16173.9	95.0
90°-120°	478.5	2.8
90°-150°	784.7	4.6
90°-180°	859.0	5.0
0°-180°	17033.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8958	
5°	8924	848
15°	8737	2464
25°	8288	3819
35°	6626	4063
45°	3112	2413
55°	906	910
65°	729	723
75°	590	614
85°	290	269
90°	153	92
95°	152	125
105°	154	163
115°	150	149
125°	143	128
135°	132	102
145°	120	76
155°	102	48
165°	75	22
175°	50	5
180°	48	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8958.2
2.5°	8934.4
5°	8924.2
7.5°	8875.3
10°	8814.0
12.5°	8778.8
15°	8736.8
17.5°	8646.0
20°	8526.7
22.5°	8409.8
25°	8288.3
27.5°	8144.1
30°	7935.1
32.5°	7367.3
35°	6625.8
37.5°	5766.2
40°	4780.6
42.5°	3906.2
45°	3112.5
47.5°	2378.9
50°	1682.9
52.5°	1127.6
55°	906.2
57.5°	824.4
60°	772.2
62.5°	750.6
65°	729.0
67.5°	709.7
70°	681.3
72.5°	642.7
75°	590.5
77.5°	525.8
80°	448.5
82.5°	367.9
85°	289.6
87.5°	216.9
90°	153.3
92.5°	151.0
95°	152.2
97.5°	153.3
100°	154.4
102.5°	154.4
105°	154.4
107.5°	153.3
110°	153.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	152.2
115°	149.9
117.5°	148.8
120°	146.5
122.5°	144.2
125°	143.1
127.5°	139.7
130°	137.4
132.5°	135.1
135°	131.7
137.5°	129.5
140°	127.2
142.5°	123.8
145°	120.4
147.5°	118.1
150°	114.7
152.5°	109.0
155°	102.2
157.5°	95.4
160°	89.7
162.5°	82.9
165°	74.9
167.5°	68.1
170°	61.3
172.5°	55.6
175°	50.0
177.5°	47.7
180°	47.7

(END OF REPORT)