

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: P1504869

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504869
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-63)
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 (4000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

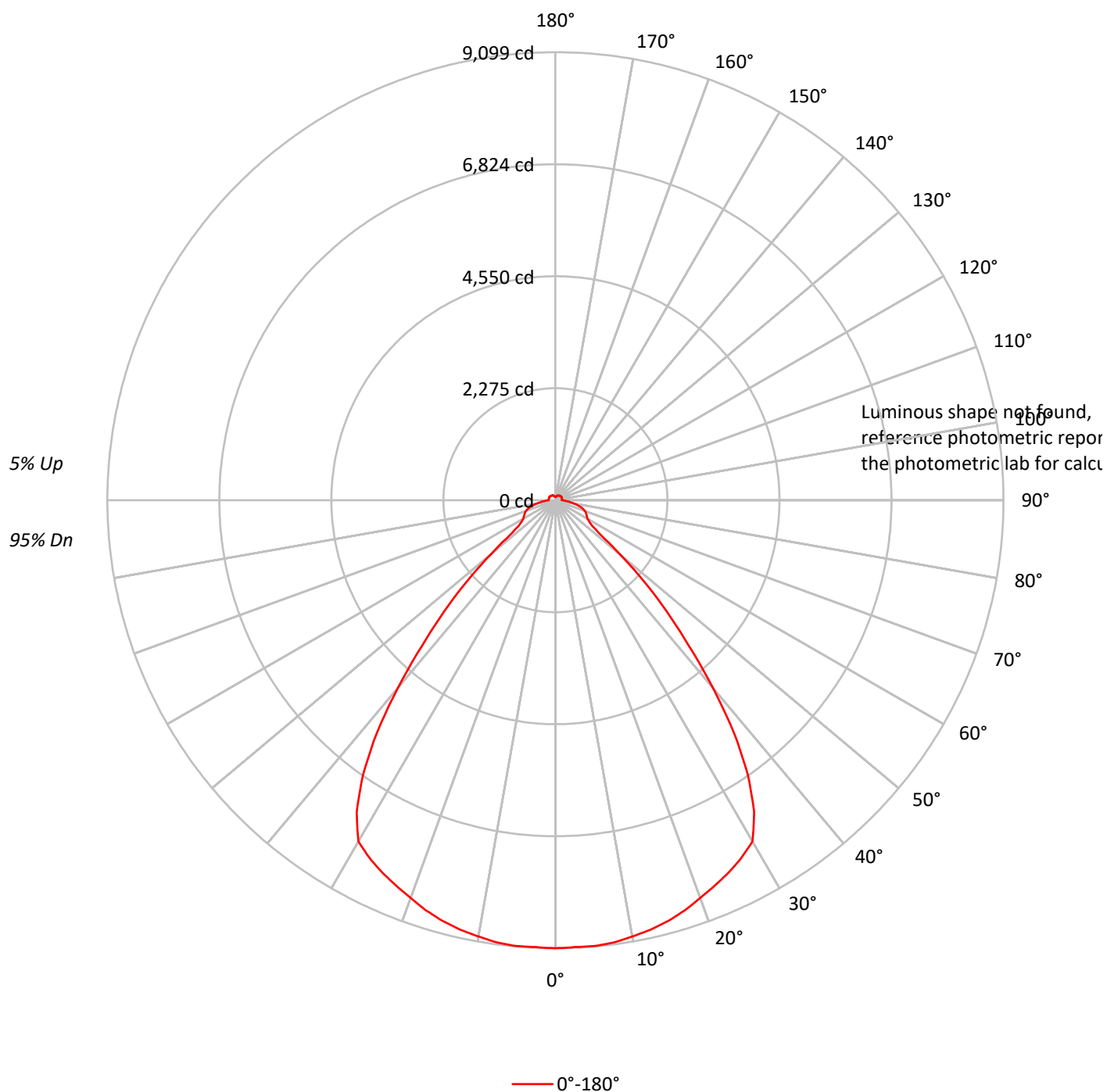
Lumens per Lamp: N/A
Luminaire Lumens: 17083.5 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 119.3
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				0
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	98	98	98	95			
1	110	106	102	99	107	103	100	97	98	96	93	94	92	90	89	88	86	84			
2	102	95	90	85	99	93	88	84	89	85	81	85	82	79	82	79	77	74			
3	95	86	80	75	92	85	79	74	81	76	72	78	74	70	75	71	68	66			
4	89	79	71	66	86	77	70	65	74	68	64	71	67	63	69	65	61	59			
5	83	72	64	59	80	71	64	58	68	62	57	66	60	56	64	59	55	53			
6	77	66	58	53	75	65	58	53	63	56	52	61	55	51	59	54	50	48			
7	72	61	53	48	70	60	53	48	58	52	47	56	51	46	55	50	46	44			
8	68	56	49	44	66	55	48	43	54	47	43	52	47	42	51	46	42	40			
9	64	52	45	40	62	51	44	40	50	44	39	49	43	39	47	42	39	37			
10	60	48	41	37	59	48	41	37	47	40	36	45	40	36	44	39	36	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°	864.6	5.1
10°-20°	2496.6	14.6
20°-30°	3844.3	22.5
30°-40°	4167.4	24.4
40°-50°	2477.8	14.5
50°-60°	916.4	5.4
60°-70°	689.7	4.0
70°-80°	548.3	3.2
80°-90°	270.0	1.6
90°-100°	147.2	0.9
100°-110°	147.3	0.9
110°-120°	138.3	0.8
120°-130°	121.4	0.7
130°-140°	99.0	0.6
140°-150°	74.7	0.4
150°-160°	49.3	0.3
160°-170°	24.7	0.1
170°-180°	6.6	0.0
0°-30°	7205.6	42.2
0°-40°	11372.9	66.6
0°-60°	14767.1	86.4
0°-90°	16275.1	95.3
90°-120°	432.8	2.5
90°-150°	727.8	4.3
90°-180°	808.0	4.7
0°-180°	17083.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9099	
5°	9089	865
15°	8846	2497
25°	8336	3844
35°	6816	4167
45°	3190	2478
55°	908	916
65°	696	690
75°	527	548
85°	242	227
90°	134	80
95°	134	111
105°	139	147
115°	139	138
125°	136	121
135°	128	99
145°	119	75
155°	106	49
165°	86	25
175°	66	7
180°	66	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9099.1
2.5°	9084.4
5°	9089.0
7.5°	9060.7
10°	8997.4
12.5°	8933.0
15°	8846.0
17.5°	8734.1
20°	8598.5
22.5°	8467.4
25°	8336.3
27.5°	8184.8
30°	8004.0
32.5°	7510.1
35°	6816.2
37.5°	5957.2
40°	4976.2
42.5°	4006.5
45°	3190.5
47.5°	2426.5
50°	1723.5
52.5°	1155.1
55°	907.5
57.5°	818.3
60°	751.6
62.5°	722.2
65°	696.2
67.5°	670.2
70°	635.2
72.5°	586.6
75°	526.7
77.5°	455.5
80°	380.9
82.5°	308.5
85°	241.9
87.5°	183.1
90°	134.5
92.5°	132.2
95°	134.5
97.5°	136.8
100°	137.9
102.5°	139.0
105°	139.0
107.5°	140.1
110°	140.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	140.1
115°	139.0
117.5°	139.0
120°	137.9
122.5°	136.8
125°	135.6
127.5°	133.4
130°	132.2
132.5°	130.0
135°	127.7
137.5°	125.5
140°	123.2
142.5°	120.9
145°	118.7
147.5°	116.4
150°	114.1
152.5°	110.8
155°	106.2
157.5°	101.7
160°	97.2
162.5°	91.5
165°	85.9
167.5°	80.2
170°	74.6
172.5°	68.9
175°	65.6
177.5°	66.7
180°	65.6

(END OF REPORT)