

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: P1504851

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504851
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 (3000K_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

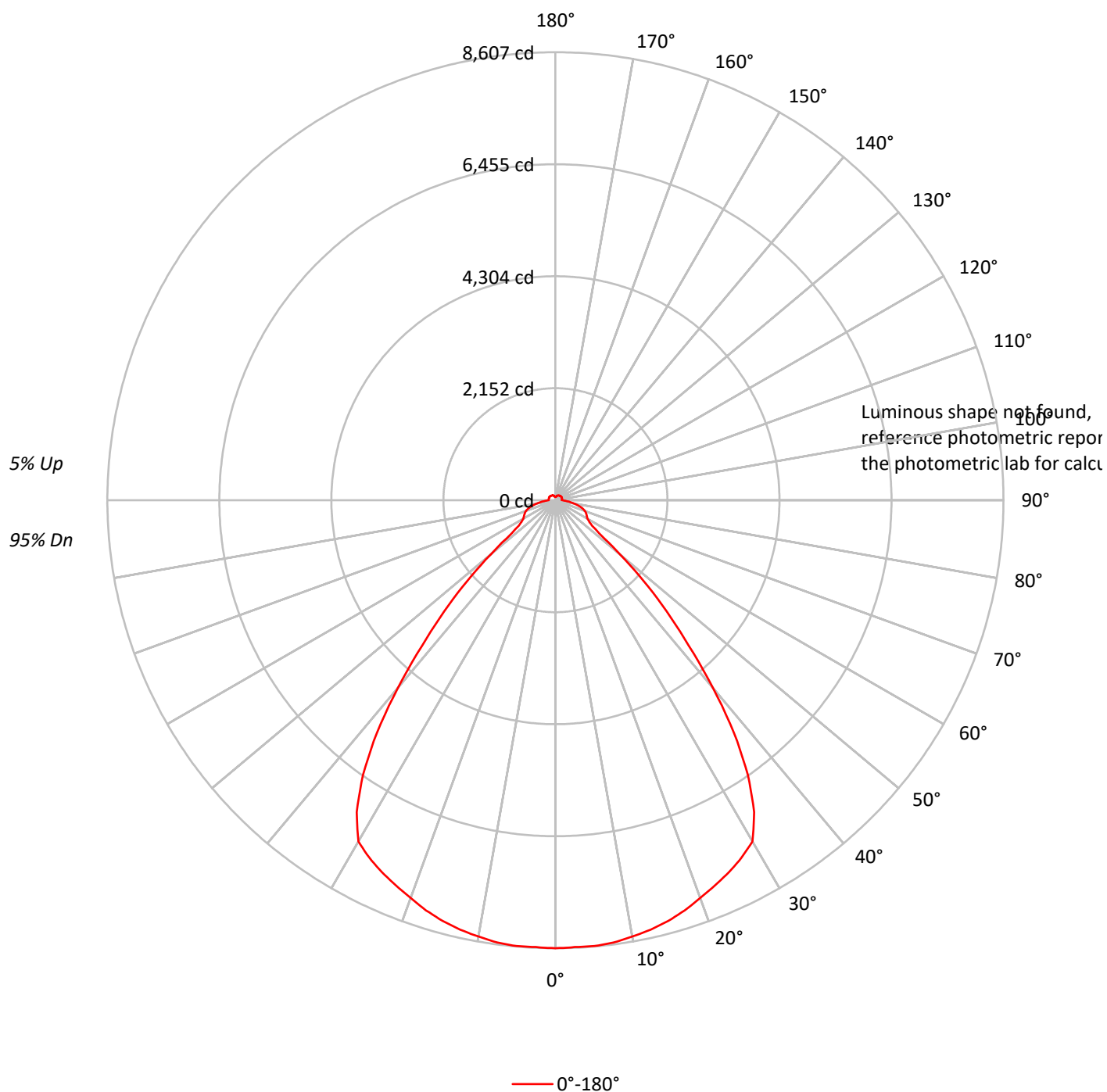
Lumens per Lamp: N/A
Luminaire Lumens: 16160.2 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 122.9
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	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°	817.9	5.1
10°-20°	2361.7	14.6
20°-30°	3636.5	22.5
30°-40°	3942.1	24.4
40°-50°	2343.9	14.5
50°-60°	866.8	5.4
60°-70°	652.4	4.0
70°-80°	518.6	3.2
80°-90°	255.4	1.6
90°-100°	139.2	0.9
100°-110°	139.4	0.9
110°-120°	130.8	0.8
120°-130°	114.8	0.7
130°-140°	93.6	0.6
140°-150°	70.6	0.4
150°-160°	46.7	0.3
160°-170°	23.3	0.1
170°-180°	6.2	0.0
0°-30°	6816.1	42.2
0°-40°	10758.2	66.6
0°-60°	13968.9	86.4
0°-90°	15395.4	95.3
90°-120°	409.5	2.5
90°-150°	688.5	4.3
90°-180°	765.0	4.7
0°-180°	16160.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8607	
5°	8598	818
15°	8368	2362
25°	7886	3636
35°	6448	3942
45°	3018	2344
55°	858	867
65°	659	652
75°	498	519
85°	229	214
90°	127	76
95°	127	105
105°	132	139
115°	132	131
125°	128	115
135°	121	94
145°	112	71
155°	100	47
165°	81	23
175°	62	6
180°	62	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8607.3
2.5°	8593.4
5°	8597.7
7.5°	8571.0
10°	8511.1
12.5°	8450.2
15°	8367.8
17.5°	8262.0
20°	8133.7
22.5°	8009.7
25°	7885.7
27.5°	7742.4
30°	7571.4
32.5°	7104.2
35°	6447.7
37.5°	5635.2
40°	4707.2
42.5°	3790.0
45°	3018.1
47.5°	2295.4
50°	1630.4
52.5°	1092.6
55°	858.5
57.5°	774.0
60°	711.0
62.5°	683.2
65°	658.6
67.5°	634.0
70°	600.8
72.5°	554.9
75°	498.2
77.5°	430.8
80°	360.3
82.5°	291.9
85°	228.8
87.5°	173.2
90°	127.2
92.5°	125.1
95°	127.2
97.5°	129.4
100°	130.4
102.5°	131.5
105°	131.5
107.5°	132.6
110°	132.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	132.6
115°	131.5
117.5°	131.5
120°	130.4
122.5°	129.4
125°	128.3
127.5°	126.2
130°	125.1
132.5°	122.9
135°	120.8
137.5°	118.7
140°	116.5
142.5°	114.4
145°	112.3
147.5°	110.1
150°	108.0
152.5°	104.8
155°	100.5
157.5°	96.2
160°	91.9
162.5°	86.6
165°	81.3
167.5°	75.9
170°	70.6
172.5°	65.2
175°	62.0
177.5°	63.1
180°	62.0

(END OF REPORT)