

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: P1504873

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504873
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_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

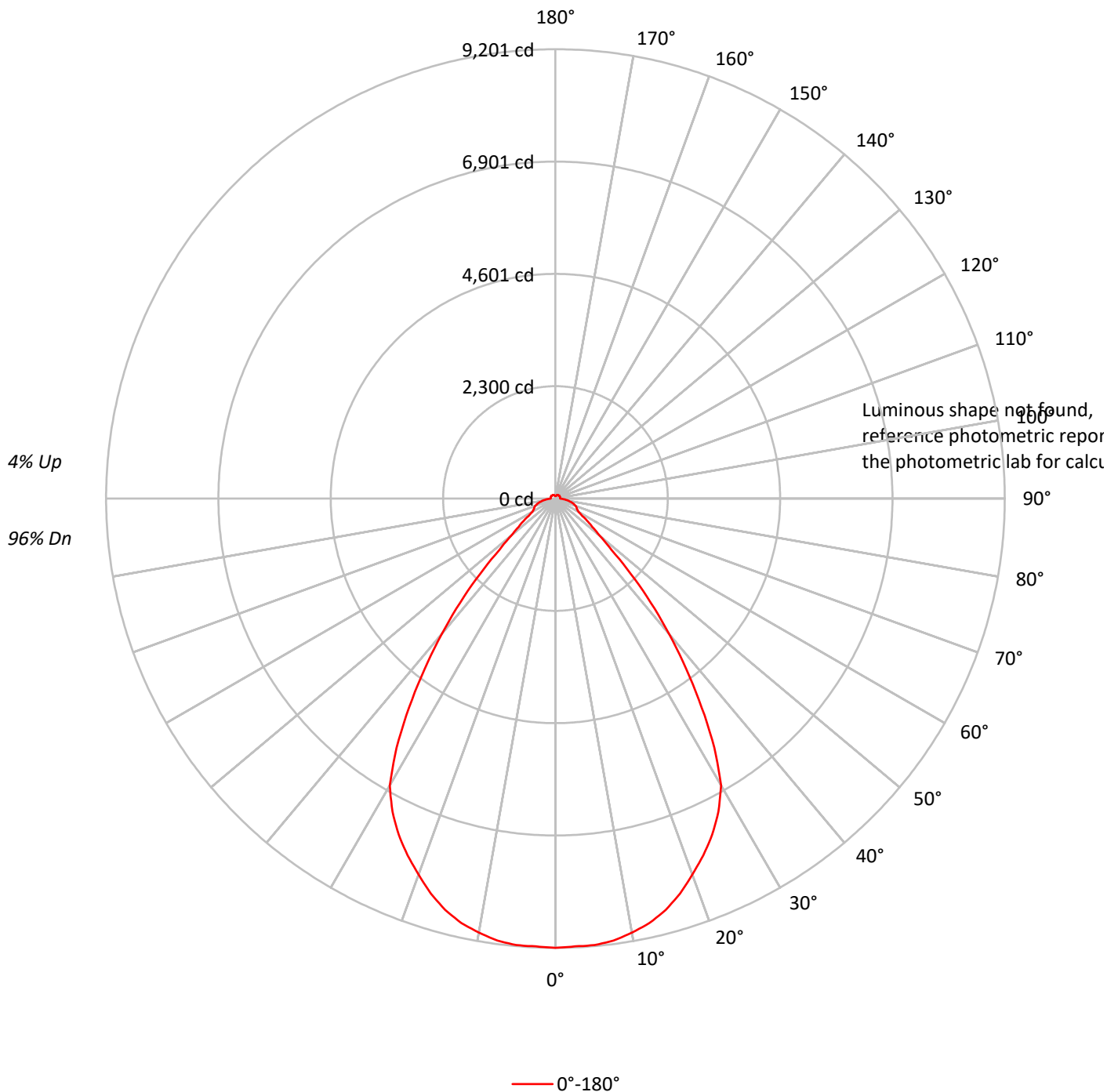
Lumens per Lamp: N/A
Luminaire Lumens: 14111.7 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.1
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°	871.4	6.2
10°-20°	2448.5	17.4
20°-30°	3478.2	24.6
30°-40°	3239.6	23.0
40°-50°	1721.2	12.2
50°-60°	720.0	5.1
60°-70°	483.5	3.4
70°-80°	381.5	2.7
80°-90°	196.0	1.4
90°-100°	103.8	0.7
100°-110°	103.8	0.7
110°-120°	97.1	0.7
120°-130°	85.5	0.6
130°-140°	70.1	0.5
140°-150°	53.3	0.4
150°-160°	35.5	0.3
160°-170°	18.0	0.1
170°-180°	4.9	0.0
0°-30°	6798.0	48.2
0°-40°	10037.6	71.1
0°-60°	12478.8	88.4
0°-90°	13539.8	95.9
90°-120°	304.7	2.2
90°-150°	513.6	3.6
90°-180°	572.0	4.1
0°-180°	14111.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9201	
5°	9180	871
15°	8725	2448
25°	7594	3478
35°	5222	3240
45°	2184	1721
55°	785	720
65°	483	483
75°	363	382
85°	178	165
90°	94	57
95°	95	78
105°	98	104
115°	98	97
125°	95	86
135°	90	70
145°	84	53
155°	77	35
165°	63	18
175°	49	5
180°	49	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9201.1
2.5°	9179.5
5°	9180.4
7.5°	9129.4
10°	9027.2
12.5°	8901.5
15°	8724.7
17.5°	8482.0
20°	8196.2
22.5°	7907.4
25°	7594.1
27.5°	7228.6
30°	6784.6
32.5°	6053.8
35°	5221.8
37.5°	4402.6
40°	3616.8
42.5°	2888.9
45°	2183.6
47.5°	1558.9
50°	1176.8
52.5°	949.9
55°	784.8
57.5°	637.5
60°	547.1
62.5°	508.8
65°	483.3
67.5°	465.6
70°	439.1
72.5°	404.7
75°	363.4
77.5°	320.2
80°	274.1
82.5°	224.9
85°	177.8
87.5°	132.6
90°	94.3
92.5°	93.3
95°	95.3
97.5°	96.3
100°	97.2
102.5°	98.2
105°	98.2
107.5°	98.2
110°	98.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	98.2
115°	98.2
117.5°	97.2
120°	97.2
122.5°	96.3
125°	95.3
127.5°	94.3
130°	93.3
132.5°	91.4
135°	90.4
137.5°	89.4
140°	87.4
142.5°	86.4
145°	84.5
147.5°	83.5
150°	81.5
152.5°	79.6
155°	76.6
157.5°	72.7
160°	70.7
162.5°	66.8
165°	62.9
167.5°	58.9
170°	55.0
172.5°	51.1
175°	49.1
177.5°	50.1
180°	49.1

(END OF REPORT)