

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: P1504498

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504498
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-50)
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 (3500K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

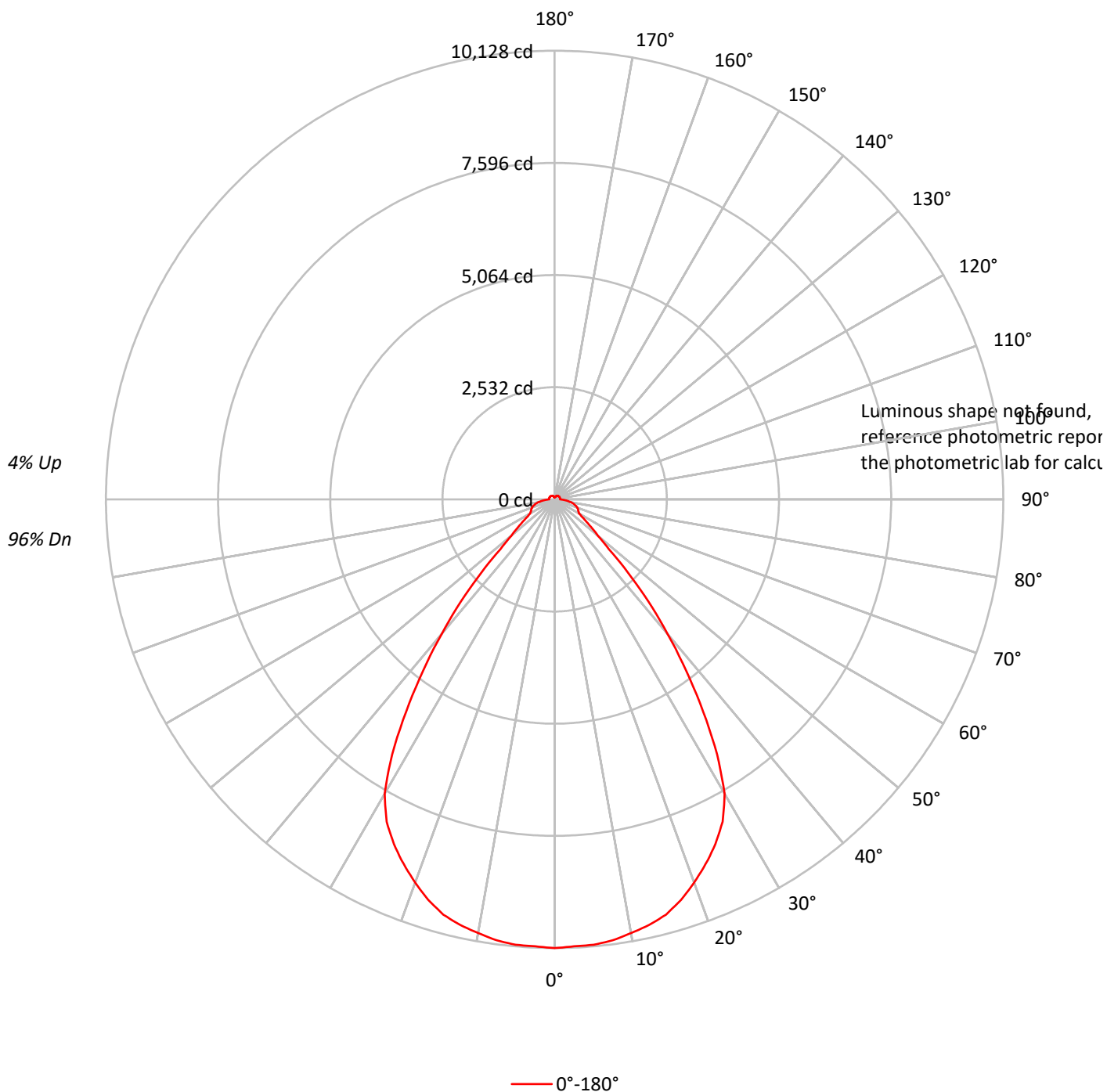
Lumens per Lamp: N/A
Luminaire Lumens: 15947.8 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.7
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	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	87	87	87	87	85			
2	103	96	91	86	100	94	89	85	90	86	83	86	83	80	83	80	78	78	78	78	78	76			
3	96	88	81	76	93	86	80	75	82	77	73	79	75	72	76	73	70	70	70	70	70	68			
4	90	80	73	68	87	79	72	67	76	70	66	73	68	65	71	67	63	63	63	63	63	61			
5	84	74	66	61	82	72	66	60	70	64	59	68	63	59	65	61	58	58	58	58	58	56			
6	79	68	61	55	77	67	60	55	65	59	54	63	57	53	61	56	53	53	53	53	53	51			
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	57	52	48	48	48	48	48	47			
8	70	58	51	46	68	57	51	46	56	50	45	54	49	45	53	48	45	45	45	45	45	43			
9	66	54	47	43	64	54	47	42	52	46	42	51	45	42	50	45	41	41	41	41	41	40			
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	38	38	38	38	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°	958.5	6.0
10°-20°	2725.1	17.1
20°-30°	3930.6	24.6
30°-40°	3624.2	22.7
40°-50°	1857.5	11.6
50°-60°	806.3	5.1
60°-70°	583.5	3.7
70°-80°	492.3	3.1
80°-90°	270.6	1.7
90°-100°	135.0	0.8
100°-110°	131.7	0.8
110°-120°	120.4	0.8
120°-130°	103.5	0.6
130°-140°	83.6	0.5
140°-150°	62.3	0.4
150°-160°	39.6	0.2
160°-170°	18.5	0.1
170°-180°	4.5	0.0
0°-30°	7614.1	47.7
0°-40°	11238.3	70.5
0°-60°	13902.2	87.2
0°-90°	15248.6	95.6
90°-120°	387.1	2.4
90°-150°	636.6	4.0
90°-180°	699.0	4.4
0°-180°	15947.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10128	
5°	10093	958
15°	9704	2725
25°	8586	3931
35°	5846	3624
45°	2330	1858
55°	877	806
65°	585	584
75°	471	492
85°	249	228
90°	125	76
95°	124	101
105°	125	132
115°	121	120
125°	116	104
135°	108	84
145°	99	62
155°	85	40
165°	63	19
175°	44	5
180°	42	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10128.3
2.5°	10098.2
5°	10092.7
7.5°	10039.2
10°	9939.1
12.5°	9843.4
15°	9704.3
17.5°	9481.7
20°	9205.7
22.5°	8908.6
25°	8585.8
27.5°	8207.4
30°	7672.2
32.5°	6826.4
35°	5845.9
37.5°	4880.0
40°	3966.3
42.5°	3131.6
45°	2330.4
47.5°	1663.7
50°	1275.4
52.5°	1057.2
55°	876.9
57.5°	727.8
60°	639.9
62.5°	607.6
65°	585.4
67.5°	568.7
70°	544.2
72.5°	511.9
75°	470.7
77.5°	424.0
80°	370.6
82.5°	312.7
85°	249.3
87.5°	183.6
90°	124.6
92.5°	122.4
95°	123.5
97.5°	124.6
100°	124.6
102.5°	124.6
105°	124.6
107.5°	124.6
110°	123.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	122.4
115°	121.3
117.5°	120.2
120°	119.1
122.5°	116.9
125°	115.7
127.5°	113.5
130°	111.3
132.5°	110.2
135°	107.9
137.5°	105.7
140°	103.5
142.5°	101.3
145°	99.0
147.5°	96.8
150°	94.6
152.5°	90.1
155°	84.6
157.5°	80.1
160°	75.7
162.5°	70.1
165°	63.4
167.5°	59.0
170°	53.4
172.5°	47.9
175°	44.5
177.5°	42.3
180°	42.3

(END OF REPORT)