

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: P1504887

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504887
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 (6500K_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

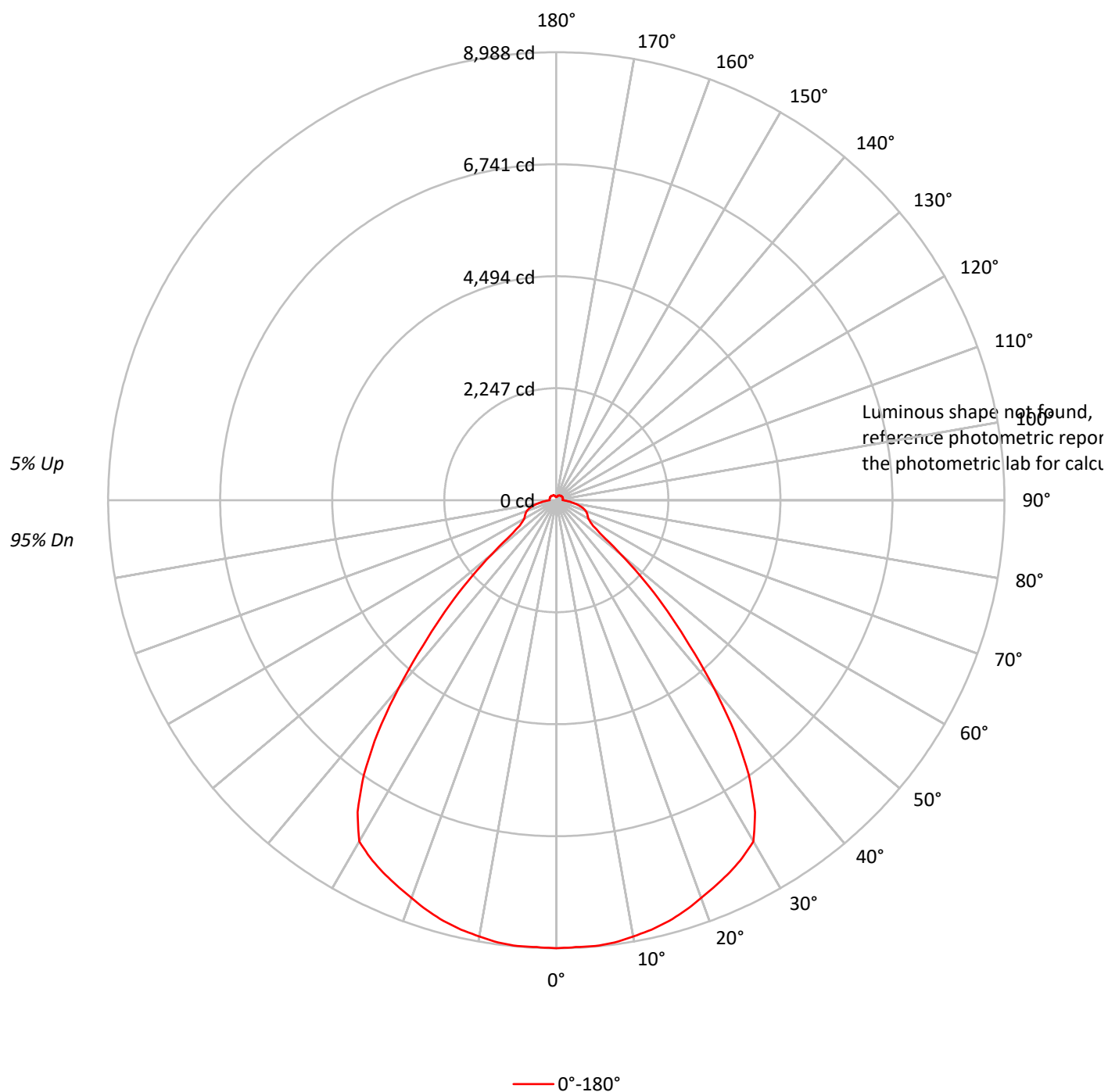
Lumens per Lamp: N/A
Luminaire Lumens: 16873.9 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.18
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 123.3
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			
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°	854.0	5.1
10°-20°	2466.0	14.6
20°-30°	3797.1	22.5
30°-40°	4116.3	24.4
40°-50°	2447.4	14.5
50°-60°	905.1	5.4
60°-70°	681.2	4.0
70°-80°	541.5	3.2
80°-90°	266.7	1.6
90°-100°	145.4	0.9
100°-110°	145.5	0.9
110°-120°	136.6	0.8
120°-130°	119.9	0.7
130°-140°	97.8	0.6
140°-150°	73.7	0.4
150°-160°	48.7	0.3
160°-170°	24.4	0.1
170°-180°	6.5	0.0
0°-30°	7117.2	42.2
0°-40°	11233.5	66.6
0°-60°	14586.0	86.4
0°-90°	16075.5	95.3
90°-120°	427.5	2.5
90°-150°	718.9	4.3
90°-180°	798.0	4.7
0°-180°	16873.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8988	
5°	8978	854
15°	8738	2466
25°	8234	3797
35°	6733	4116
45°	3151	2447
55°	896	905
65°	688	681
75°	520	542
85°	239	224
90°	133	79
95°	133	109
105°	137	146
115°	137	137
125°	134	120
135°	126	98
145°	117	74
155°	105	49
165°	85	24
175°	65	6
180°	65	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8987.5
2.5°	8973.0
5°	8977.5
7.5°	8949.6
10°	8887.1
12.5°	8823.4
15°	8737.5
17.5°	8627.0
20°	8493.0
22.5°	8363.5
25°	8234.0
27.5°	8084.4
30°	7905.8
32.5°	7418.0
35°	6732.6
37.5°	5884.2
40°	4915.2
42.5°	3957.4
45°	3151.4
47.5°	2396.8
50°	1702.4
52.5°	1140.9
55°	896.4
57.5°	808.2
60°	742.4
62.5°	713.3
65°	687.7
67.5°	662.0
70°	627.4
72.5°	579.4
75°	520.2
77.5°	449.9
80°	376.2
82.5°	304.8
85°	238.9
87.5°	180.8
90°	132.8
92.5°	130.6
95°	132.8
97.5°	135.1
100°	136.2
102.5°	137.3
105°	137.3
107.5°	138.4
110°	138.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	138.4
115°	137.3
117.5°	137.3
120°	136.2
122.5°	135.1
125°	134.0
127.5°	131.7
130°	130.6
132.5°	128.4
135°	126.1
137.5°	123.9
140°	121.7
142.5°	119.4
145°	117.2
147.5°	115.0
150°	112.7
152.5°	109.4
155°	104.9
157.5°	100.5
160°	96.0
162.5°	90.4
165°	84.8
167.5°	79.3
170°	73.7
172.5°	68.1
175°	64.7
177.5°	65.9
180°	64.7

(END OF REPORT)