

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: P1504824

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504824
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-57)
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-CLER-PS (4000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

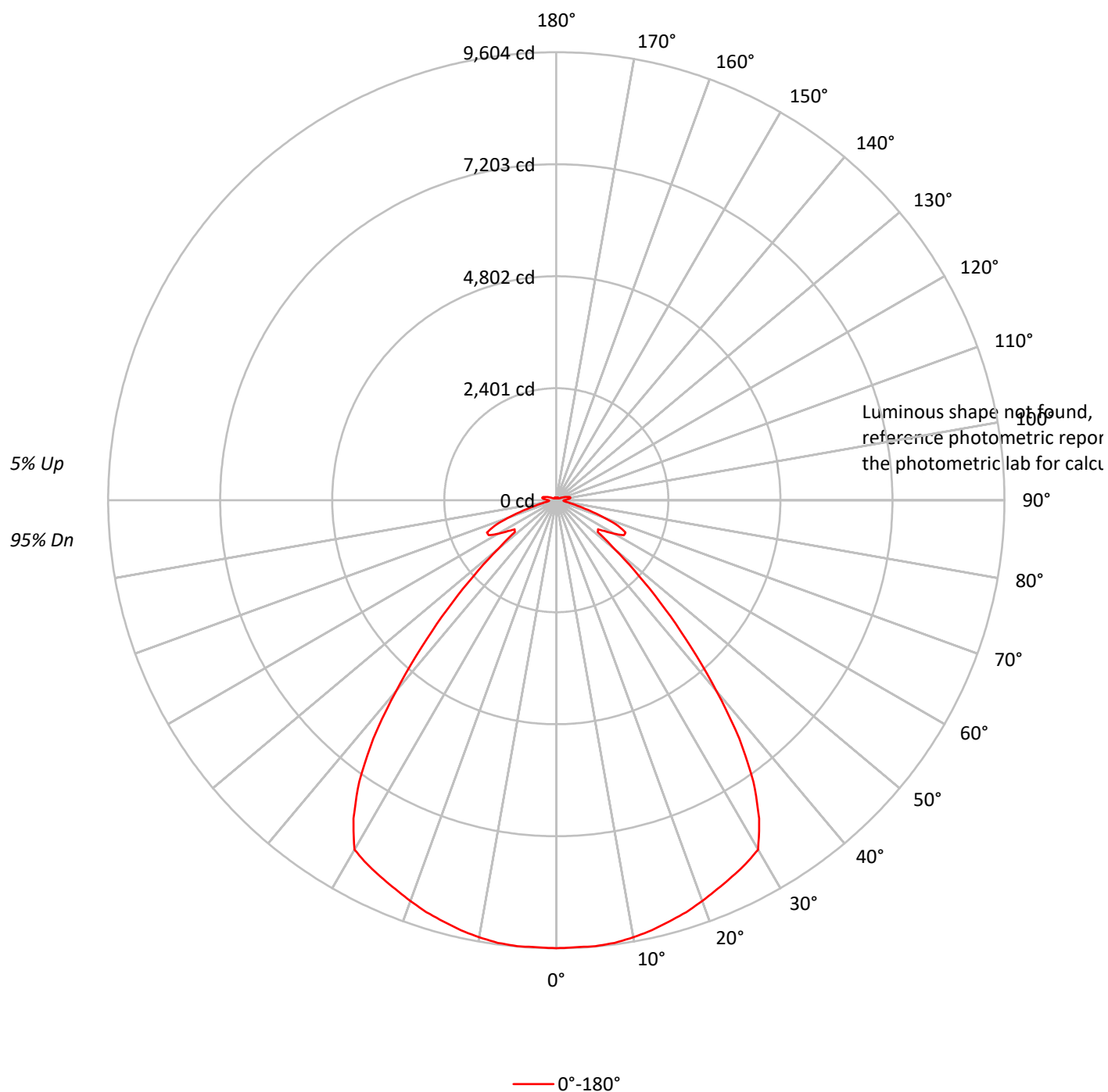
Lumens per Lamp: N/A
Luminaire Lumens: 18993.0 lumens
Efficiency: N/A
Efficacy: 159.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.19
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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





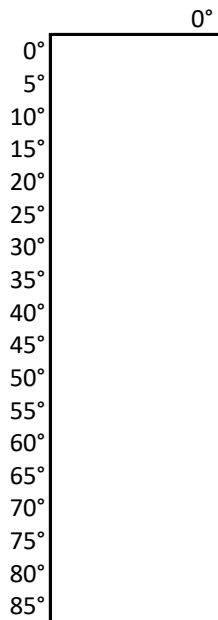
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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	109	109	109	103	103	103	98	98	98	95		
1	110	106	102	99	107	103	100	97	98	96	93	93	91	90	89	88	86	84		
2	102	95	89	84	99	93	87	83	88	84	81	85	81	78	81	78	76	74		
3	94	85	79	73	92	84	77	72	80	75	70	77	72	69	74	70	67	65		
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	58		
5	82	71	63	57	79	69	62	57	67	60	56	64	59	55	62	57	54	52		
6	76	65	57	51	74	63	56	51	61	55	50	59	54	49	57	52	49	47		
7	71	59	52	46	69	58	51	46	56	50	45	55	49	45	53	48	44	42		
8	67	55	47	42	65	54	47	42	52	46	41	51	45	41	49	44	40	39		
9	63	51	43	38	61	50	43	38	49	42	38	47	42	37	46	41	37	35		
10	59	47	40	35	58	47	40	35	45	39	35	44	38	34	43	38	34	33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	913.3	4.8
10°-20°	2643.4	13.9
20°-30°	4114.4	21.7
30°-40°	4497.2	23.7
40°-50°	2564.9	13.5
50°-60°	1114.7	5.9
60°-70°	1482.0	7.8
70°-80°	592.0	3.1
80°-90°	185.4	1.0
90°-100°	267.4	1.4
100°-110°	279.6	1.5
110°-120°	137.9	0.7
120°-130°	64.6	0.3
130°-140°	50.6	0.3
140°-150°	39.6	0.2
150°-160°	26.6	0.1
160°-170°	15.2	0.1
170°-180°	4.4	0.0
0°-30°	7671.0	40.4
0°-40°	12168.3	64.1
0°-60°	15847.9	83.4
0°-90°	18107.2	95.3
90°-120°	684.8	3.6
90°-150°	839.6	4.4
90°-180°	886.0	4.7
0°-180°	18993.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9604	
5°	9595	913
15°	9348	2643
25°	8908	4114
35°	7362	4497
45°	3298	2565
55°	1089	1115
65°	1639	1482
75°	498	592
85°	154	141
90°	169	95
95°	248	216
105°	270	280
115°	134	138
125°	69	65
135°	65	51
145°	63	40
155°	57	27
165°	53	15
175°	45	4
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9603.5
2.5°	9589.3
5°	9595.2
7.5°	9571.4
10°	9512.1
12.5°	9442.0
15°	9348.2
17.5°	9257.9
20°	9142.7
22.5°	9020.4
25°	8907.5
27.5°	8788.8
30°	8648.6
32.5°	8090.4
35°	7362.4
37.5°	6441.9
40°	5346.9
42.5°	4264.9
45°	3298.2
47.5°	2399.1
50°	1630.7
52.5°	1120.0
55°	1089.1
57.5°	1229.2
60°	1435.9
62.5°	1631.9
65°	1639.0
67.5°	1438.3
70°	1106.9
72.5°	757.7
75°	497.6
77.5°	329.0
80°	226.8
82.5°	174.6
85°	154.4
87.5°	153.2
90°	168.6
92.5°	204.3
95°	248.2
97.5°	289.8
100°	308.8
102.5°	299.3
105°	269.6
107.5°	232.8
110°	198.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	165.1
115°	134.2
117.5°	109.3
120°	90.3
122.5°	77.2
125°	68.9
127.5°	64.1
130°	62.9
132.5°	64.1
135°	65.3
137.5°	67.7
140°	66.5
142.5°	65.3
145°	62.9
147.5°	60.6
150°	58.2
152.5°	58.2
155°	57.0
157.5°	57.0
160°	57.0
162.5°	55.8
165°	53.4
167.5°	51.1
170°	47.5
172.5°	45.1
175°	45.1
177.5°	46.3
180°	46.3

(END OF REPORT)