

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: P1504885

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (6500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504885
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 (6500K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

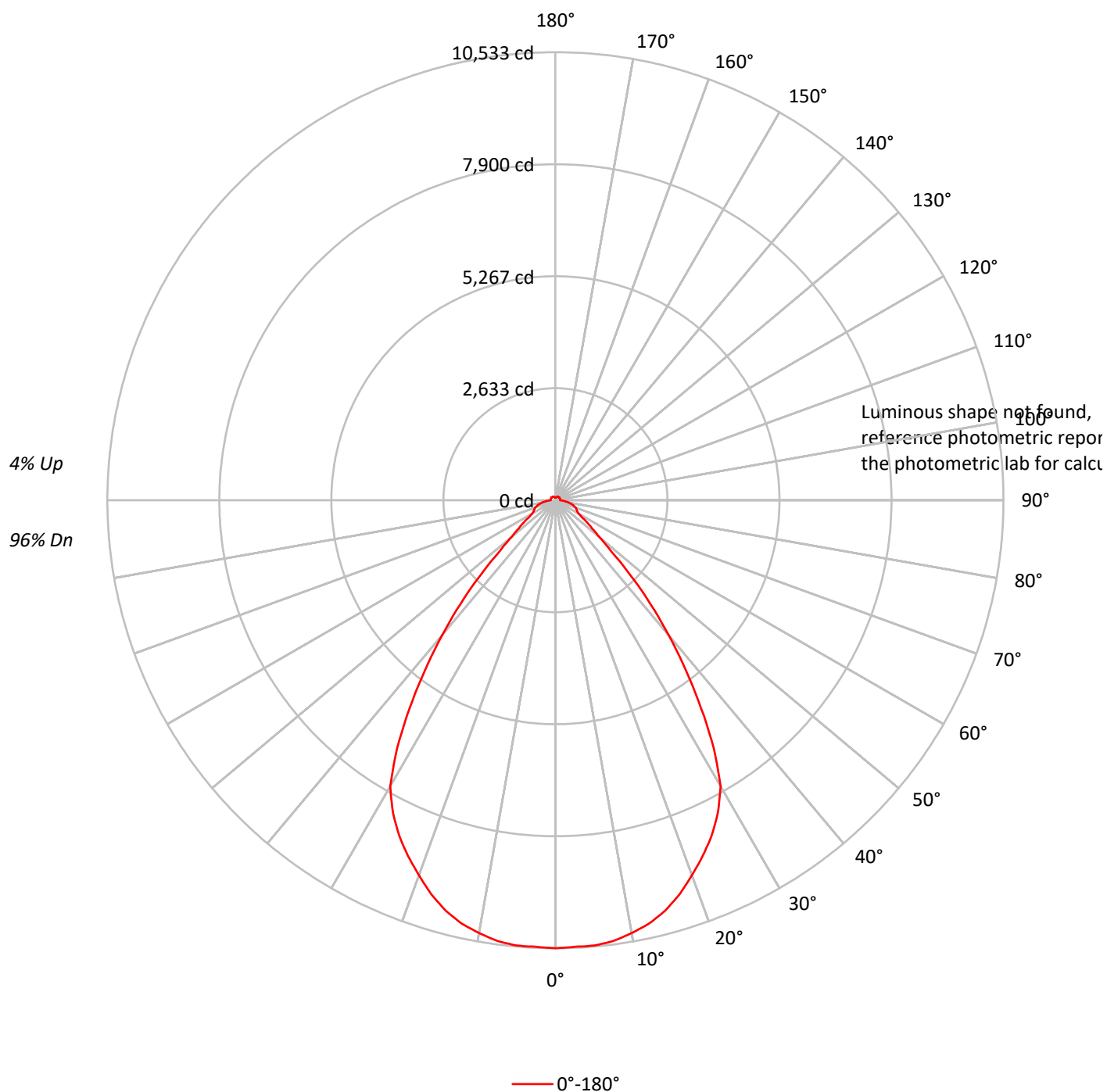
Lumens per Lamp: N/A
Luminaire Lumens: 16154.6 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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





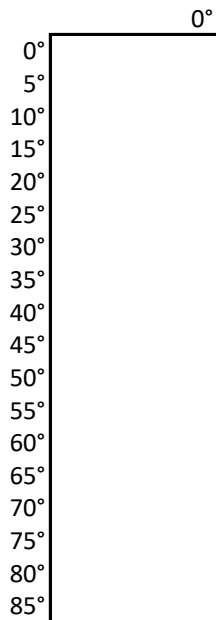
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	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°	997.5	6.2
10°-20°	2802.9	17.4
20°-30°	3981.7	24.6
30°-40°	3708.6	23.0
40°-50°	1970.4	12.2
50°-60°	824.2	5.1
60°-70°	553.4	3.4
70°-80°	436.8	2.7
80°-90°	224.4	1.4
90°-100°	118.9	0.7
100°-110°	118.8	0.7
110°-120°	111.2	0.7
120°-130°	97.9	0.6
130°-140°	80.2	0.5
140°-150°	61.0	0.4
150°-160°	40.6	0.3
160°-170°	20.7	0.1
170°-180°	5.6	0.0
0°-30°	7782.1	48.2
0°-40°	11490.7	71.1
0°-60°	14285.3	88.4
0°-90°	15499.8	95.9
90°-120°	348.8	2.2
90°-150°	587.9	3.6
90°-180°	655.0	4.1
0°-180°	16154.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10533	
5°	10509	997
15°	9988	2803
25°	8693	3982
35°	5978	3709
45°	2500	1970
55°	898	824
65°	553	553
75°	416	437
85°	204	189
90°	108	65
95°	109	89
105°	112	119
115°	112	111
125°	109	98
135°	104	80
145°	97	61
155°	88	41
165°	72	21
175°	56	6
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10533.0
2.5°	10508.3
5°	10509.4
7.5°	10450.9
10°	10334.0
12.5°	10190.1
15°	9987.7
17.5°	9709.9
20°	9382.7
22.5°	9052.1
25°	8693.4
27.5°	8275.1
30°	7766.8
32.5°	6930.2
35°	5977.7
37.5°	5039.9
40°	4140.3
42.5°	3307.1
45°	2499.7
47.5°	1784.6
50°	1347.1
52.5°	1087.4
55°	898.5
57.5°	729.8
60°	626.3
62.5°	582.5
65°	553.2
67.5°	533.0
70°	502.6
72.5°	463.3
75°	416.1
77.5°	366.6
80°	313.7
82.5°	257.5
85°	203.5
87.5°	151.8
90°	108.0
92.5°	106.8
95°	109.1
97.5°	110.2
100°	111.3
102.5°	112.4
105°	112.4
107.5°	112.4
110°	112.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	112.4
115°	112.4
117.5°	111.3
120°	111.3
122.5°	110.2
125°	109.1
127.5°	108.0
130°	106.8
132.5°	104.6
135°	103.5
137.5°	102.3
140°	100.1
142.5°	99.0
145°	96.7
147.5°	95.6
150°	93.3
152.5°	91.1
155°	87.7
157.5°	83.2
160°	81.0
162.5°	76.5
165°	72.0
167.5°	67.5
170°	63.0
172.5°	58.5
175°	56.2
177.5°	57.3
180°	56.2

(END OF REPORT)