

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: P1504849

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504849
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 (3000K_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

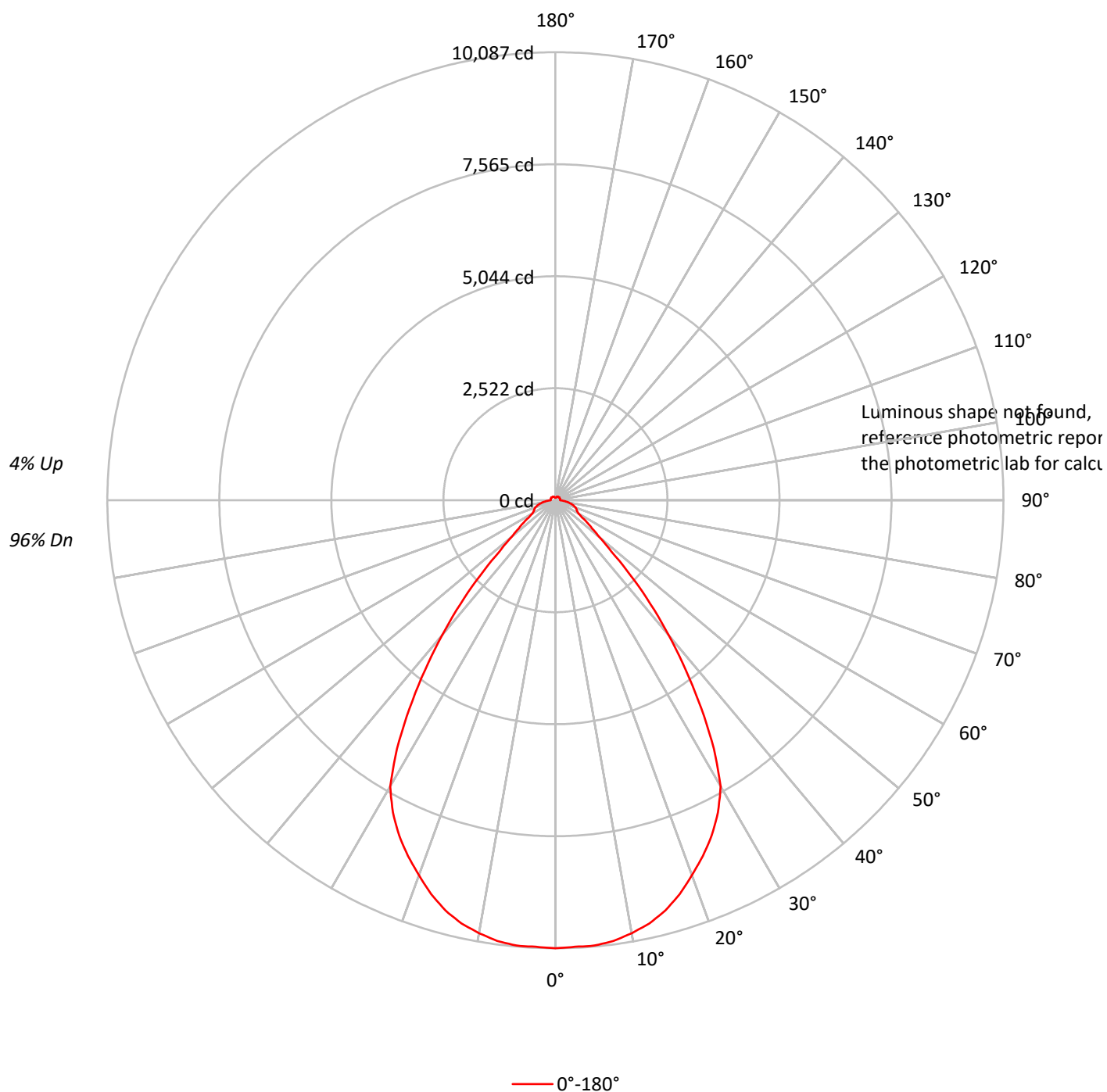
Lumens per Lamp: N/A
Luminaire Lumens: 15471.3 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 122.9
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°	955.3	6.2
10°-20°	2684.3	17.4
20°-30°	3813.2	24.6
30°-40°	3551.7	23.0
40°-50°	1887.0	12.2
50°-60°	789.4	5.1
60°-70°	530.0	3.4
70°-80°	418.3	2.7
80°-90°	214.9	1.4
90°-100°	113.8	0.7
100°-110°	113.8	0.7
110°-120°	106.5	0.7
120°-130°	93.8	0.6
130°-140°	76.8	0.5
140°-150°	58.4	0.4
150°-160°	38.9	0.3
160°-170°	19.8	0.1
170°-180°	5.4	0.0
0°-30°	7452.8	48.2
0°-40°	11004.5	71.1
0°-60°	13680.9	88.4
0°-90°	14844.2	95.9
90°-120°	334.1	2.2
90°-150°	563.1	3.6
90°-180°	627.0	4.1
0°-180°	15471.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10087	
5°	10065	955
15°	9565	2684
25°	8326	3813
35°	5725	3552
45°	2394	1887
55°	860	789
65°	530	530
75°	398	418
85°	195	181
90°	103	62
95°	104	86
105°	108	114
115°	108	107
125°	104	94
135°	99	77
145°	93	58
155°	84	39
165°	69	20
175°	54	5
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10087.4
2.5°	10063.7
5°	10064.8
7.5°	10008.8
10°	9896.8
12.5°	9759.0
15°	9565.1
17.5°	9299.1
20°	8985.7
22.5°	8669.1
25°	8325.6
27.5°	7925.0
30°	7438.2
32.5°	6637.0
35°	5724.9
37.5°	4826.7
40°	3965.2
42.5°	3167.2
45°	2394.0
47.5°	1709.1
50°	1290.1
52.5°	1041.4
55°	860.5
57.5°	698.9
60°	599.8
62.5°	557.8
65°	529.8
67.5°	510.5
70°	481.4
72.5°	443.7
75°	398.5
77.5°	351.1
80°	300.5
82.5°	246.6
85°	194.9
87.5°	145.4
90°	103.4
92.5°	102.3
95°	104.5
97.5°	105.5
100°	106.6
102.5°	107.7
105°	107.7
107.5°	107.7
110°	107.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	107.7
115°	107.7
117.5°	106.6
120°	106.6
122.5°	105.5
125°	104.5
127.5°	103.4
130°	102.3
132.5°	100.2
135°	99.1
137.5°	98.0
140°	95.8
142.5°	94.8
145°	92.6
147.5°	91.5
150°	89.4
152.5°	87.2
155°	84.0
157.5°	79.7
160°	77.5
162.5°	73.2
165°	68.9
167.5°	64.6
170°	60.3
172.5°	56.0
175°	53.8
177.5°	54.9
180°	53.8

(END OF REPORT)