

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: P1504858

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504858
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 (3500K_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

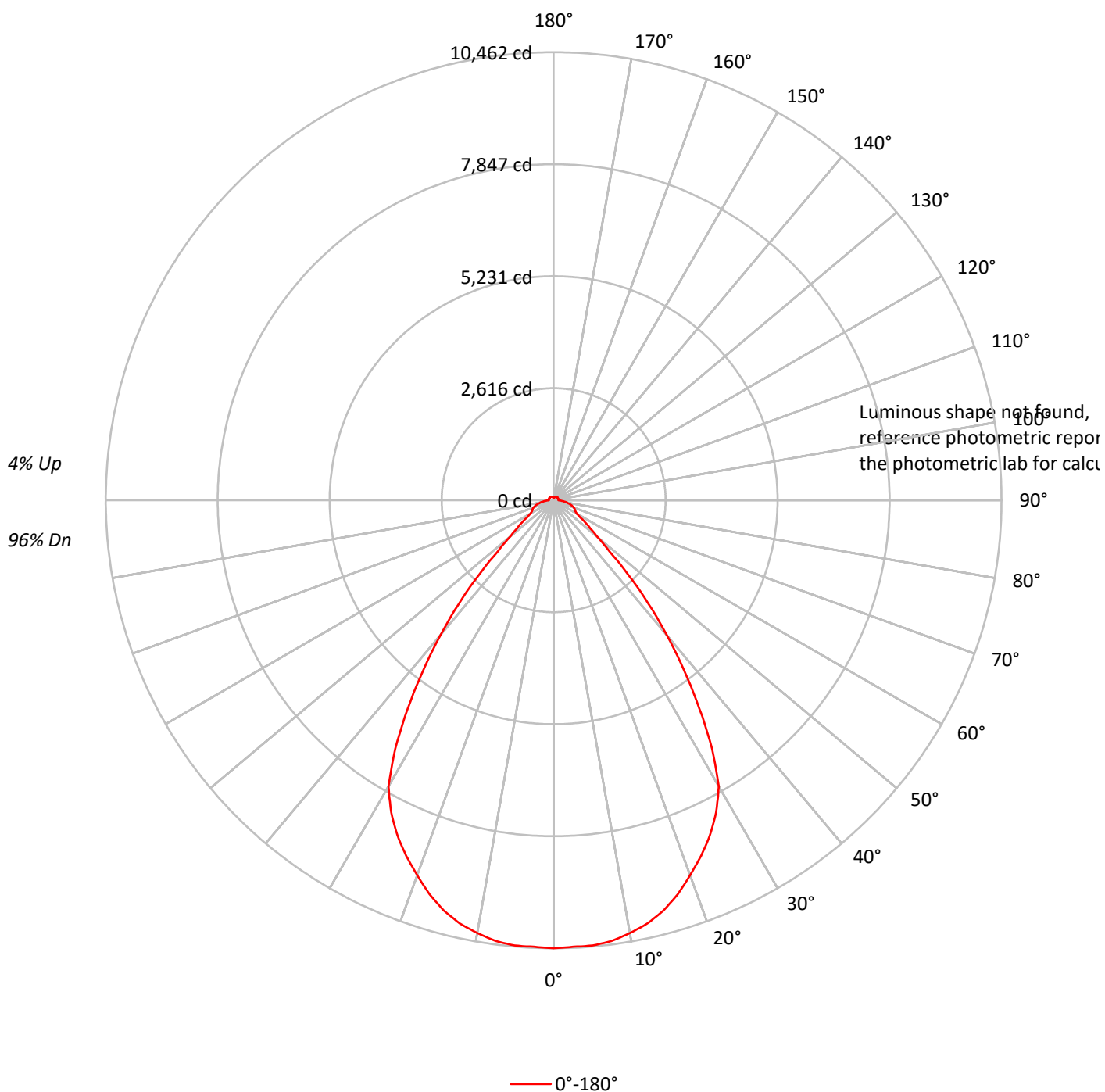
Lumens per Lamp: N/A
Luminaire Lumens: 16046.1 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.07
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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	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°	990.8	6.2
10°-20°	2784.0	17.4
20°-30°	3954.9	24.6
30°-40°	3683.6	23.0
40°-50°	1957.1	12.2
50°-60°	818.7	5.1
60°-70°	549.7	3.4
70°-80°	433.8	2.7
80°-90°	222.9	1.4
90°-100°	118.0	0.7
100°-110°	118.0	0.7
110°-120°	110.5	0.7
120°-130°	97.2	0.6
130°-140°	79.6	0.5
140°-150°	60.6	0.4
150°-160°	40.3	0.3
160°-170°	20.5	0.1
170°-180°	5.6	0.0
0°-30°	7729.7	48.2
0°-40°	11413.4	71.1
0°-60°	14189.2	88.4
0°-90°	15395.7	95.9
90°-120°	346.5	2.2
90°-150°	584.0	3.6
90°-180°	650.0	4.1
0°-180°	16046.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10462	
5°	10439	991
15°	9920	2784
25°	8635	3955
35°	5938	3684
45°	2483	1957
55°	892	819
65°	550	550
75°	413	434
85°	202	188
90°	107	65
95°	108	89
105°	112	118
115°	112	110
125°	108	97
135°	103	80
145°	96	61
155°	87	40
165°	72	21
175°	56	6
180°	56	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10462.2
2.5°	10437.6
5°	10438.7
7.5°	10380.7
10°	10264.5
12.5°	10121.5
15°	9920.5
17.5°	9644.6
20°	9319.6
22.5°	8991.2
25°	8634.9
27.5°	8219.4
30°	7714.6
32.5°	6883.6
35°	5937.5
37.5°	5006.0
40°	4112.5
42.5°	3284.9
45°	2482.9
47.5°	1772.6
50°	1338.1
52.5°	1080.1
55°	892.4
57.5°	724.9
60°	622.1
62.5°	578.6
65°	549.5
67.5°	529.4
70°	499.3
72.5°	460.2
75°	413.3
77.5°	364.1
80°	311.6
82.5°	255.8
85°	202.2
87.5°	150.8
90°	107.2
92.5°	106.1
95°	108.3
97.5°	109.5
100°	110.6
102.5°	111.7
105°	111.7
107.5°	111.7
110°	111.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	111.7
115°	111.7
117.5°	110.6
120°	110.6
122.5°	109.5
125°	108.3
127.5°	107.2
130°	106.1
132.5°	103.9
135°	102.8
137.5°	101.6
140°	99.4
142.5°	98.3
145°	96.1
147.5°	94.9
150°	92.7
152.5°	90.5
155°	87.1
157.5°	82.7
160°	80.4
162.5°	76.0
165°	71.5
167.5°	67.0
170°	62.5
172.5°	58.1
175°	55.8
177.5°	57.0
180°	55.8

(END OF REPORT)