

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: P1504813

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504813
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-56)
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 (3500K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

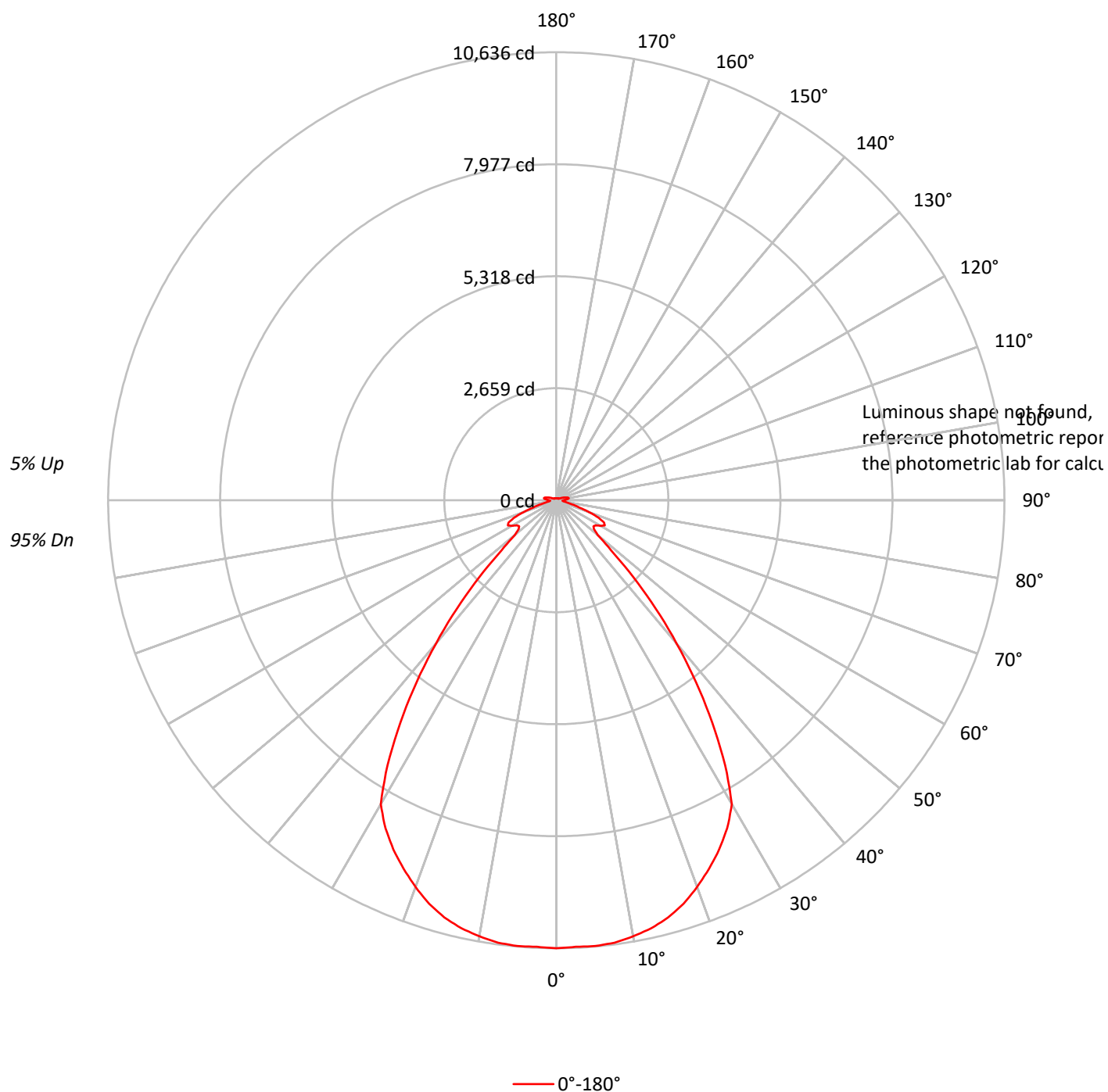
Lumens per Lamp: N/A
Luminaire Lumens: 17767.3 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.09
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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





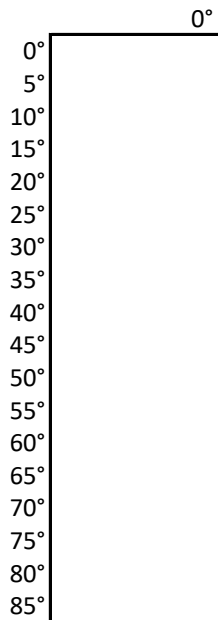
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	0		
RCR																				
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95		
1	110	106	103	100	107	104	101	98	99	96	94	94	92	90	90	88	87	85		
2	102	96	90	86	100	94	89	85	90	85	82	86	82	79	82	79	77	75		
3	95	87	80	75	93	85	79	74	82	77	72	78	74	71	75	72	69	67		
4	89	79	72	67	86	78	71	66	75	69	65	72	67	63	69	65	62	60		
5	83	72	65	60	81	71	64	59	69	63	58	66	61	57	64	60	56	54		
6	78	67	59	54	76	66	59	53	63	57	53	61	56	52	60	55	51	49		
7	73	62	54	49	71	61	54	49	59	53	48	57	52	47	55	51	47	45		
8	69	57	50	45	67	56	49	45	55	48	44	53	48	44	52	47	43	41		
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	48	43	40	38		
10	61	50	43	38	60	49	42	38	48	42	38	46	41	37	45	40	37	35		

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 (3500K_L18_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1010.6	5.7
10°-20°	2884.4	16.2
20°-30°	4198.4	23.6
30°-40°	3995.2	22.5
40°-50°	2035.8	11.5
50°-60°	1021.1	5.7
60°-70°	1149.9	6.5
70°-80°	464.2	2.6
80°-90°	173.8	1.0
90°-100°	267.6	1.5
100°-110°	264.3	1.5
110°-120°	125.8	0.7
120°-130°	57.2	0.3
130°-140°	43.7	0.2
140°-150°	34.2	0.2
150°-160°	23.5	0.1
160°-170°	13.7	0.1
170°-180°	3.8	0.0
0°-30°	8093.4	45.6
0°-40°	12088.6	68.0
0°-60°	15145.4	85.2
0°-90°	16933.4	95.3
90°-120°	657.7	3.7
90°-150°	792.8	4.5
90°-180°	834.0	4.7
0°-180°	17767.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10636	
5°	10622	###
15°	10256	2884
25°	9148	4198
35°	6454	3995
45°	2580	2036
55°	1076	1021
65°	1249	1150
75°	394	464
85°	146	130
90°	170	96
95°	252	216
105°	254	264
115°	122	126
125°	61	57
135°	57	44
145°	55	34
155°	50	23
165°	49	14
175°	40	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10636.1
2.5°	10611.6
5°	10622.1
7.5°	10595.3
10°	10512.6
12.5°	10408.9
15°	10256.2
17.5°	10045.3
20°	9770.3
22.5°	9467.4
25°	9148.1
27.5°	8781.1
30°	8330.1
32.5°	7457.4
35°	6454.1
37.5°	5448.6
40°	4441.8
42.5°	3494.5
45°	2579.8
47.5°	1757.1
50°	1284.1
52.5°	1125.6
55°	1075.5
57.5°	1107.0
60°	1209.5
62.5°	1298.1
65°	1249.1
67.5°	1075.5
70°	833.1
72.5°	584.9
75°	393.8
77.5°	271.5
80°	195.8
82.5°	158.5
85°	145.7
87.5°	150.3
90°	170.1
92.5°	207.4
95°	251.7
97.5°	287.8
100°	299.5
102.5°	284.3
105°	254.0
107.5°	217.9
110°	182.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	151.5
115°	122.3
117.5°	99.0
120°	80.4
122.5°	68.7
125°	60.6
127.5°	57.1
130°	54.8
132.5°	55.9
135°	57.1
137.5°	57.1
140°	57.1
142.5°	55.9
145°	54.8
147.5°	52.4
150°	51.3
152.5°	51.3
155°	50.1
157.5°	50.1
160°	51.3
162.5°	50.1
165°	48.9
167.5°	45.4
170°	41.9
172.5°	39.6
175°	39.6
177.5°	39.6
180°	40.8

(END OF REPORT)