

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: P1504823

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (4000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504823
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-55)
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_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

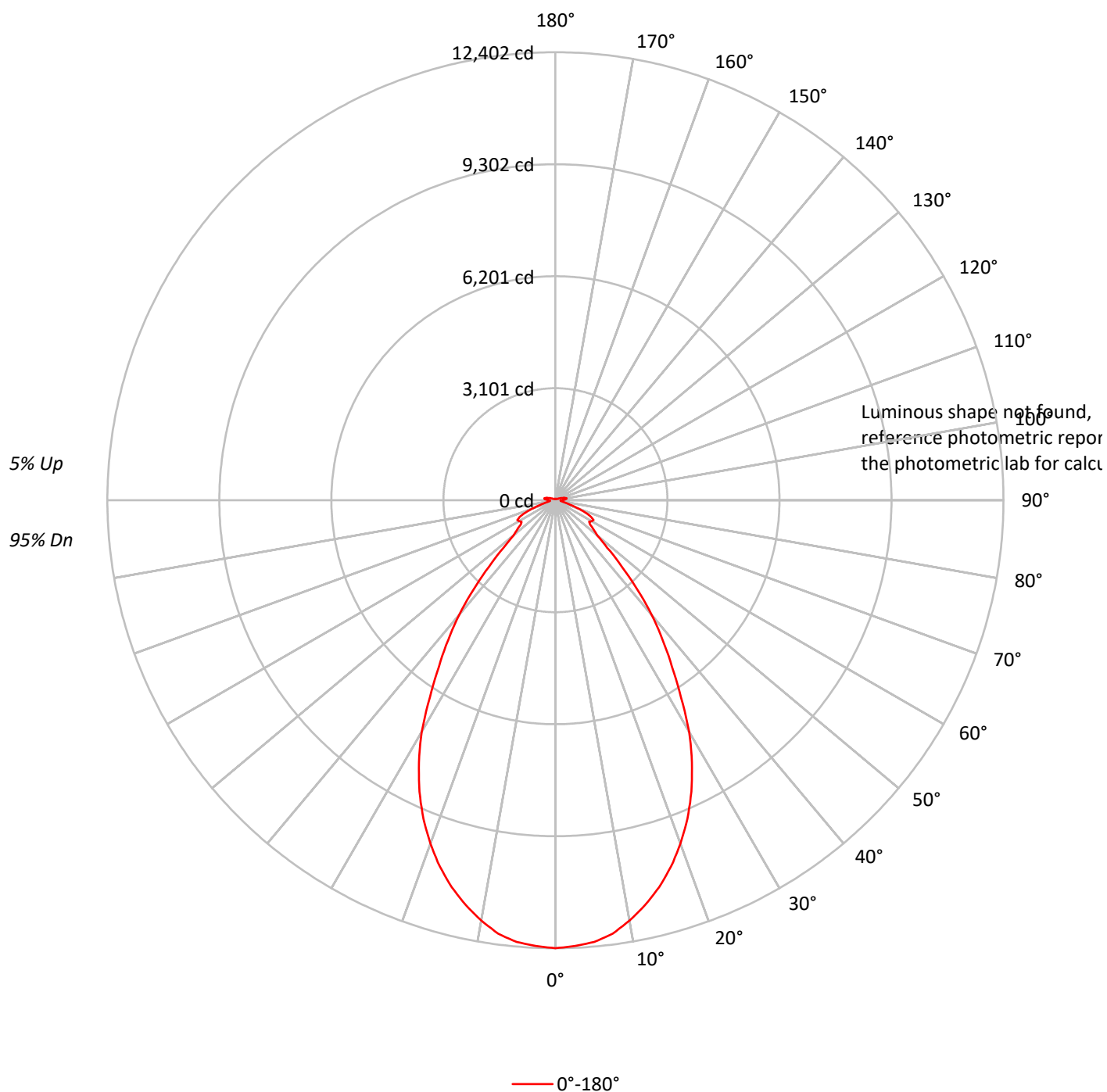
Lumens per Lamp: N/A
Luminaire Lumens: 17418.5 lumens
Efficiency: N/A
Efficacy: 146.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

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



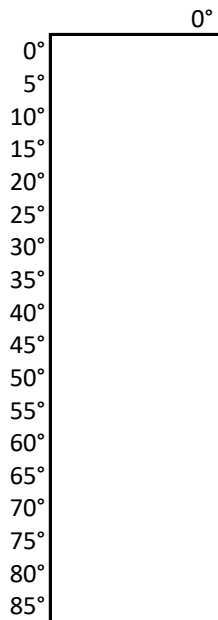
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	108	108	108	103	103	103	98	98	98	95		
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	68	87	78	72	67	75	70	65	73	68	64	70	66	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	78	68	60	55	76	66	60	55	64	58	54	62	57	53	60	56	52	50		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	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°	1157.3	6.6
10°-20°	3105.8	17.8
20°-30°	4058.5	23.3
30°-40°	3532.1	20.3
40°-50°	2051.8	11.8
50°-60°	1105.8	6.3
60°-70°	1014.9	5.8
70°-80°	381.1	2.2
80°-90°	172.8	1.0
90°-100°	286.8	1.6
100°-110°	266.9	1.5
110°-120°	122.2	0.7
120°-130°	53.5	0.3
130°-140°	39.9	0.2
140°-150°	31.2	0.2
150°-160°	21.6	0.1
160°-170°	12.6	0.1
170°-180°	3.5	0.0
0°-30°	8321.6	47.8
0°-40°	11853.8	68.1
0°-60°	15011.4	86.2
0°-90°	16580.3	95.2
90°-120°	676.0	3.9
90°-150°	800.6	4.6
90°-180°	838.0	4.8
0°-180°	17418.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12402	
5°	12276	###
15°	11089	3106
25°	8903	4059
35°	5624	3532
45°	2603	2052
55°	1168	1106
65°	1093	1015
75°	323	381
85°	146	126
90°	185	104
95°	272	230
105°	254	267
115°	119	122
125°	57	53
135°	51	40
145°	50	31
155°	46	22
165°	45	13
175°	36	3
180°	37	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12401.7
2.5°	12349.4
5°	12275.8
7.5°	12103.6
10°	11816.1
12.5°	11477.7
15°	11089.3
17.5°	10636.8
20°	10116.6
22.5°	9547.7
25°	8902.8
27.5°	8180.7
30°	7403.9
32.5°	6465.7
35°	5623.6
37.5°	4879.0
40°	4143.8
42.5°	3369.4
45°	2603.4
47.5°	1944.2
50°	1514.3
52.5°	1333.8
55°	1167.5
57.5°	1108.1
60°	1158.0
62.5°	1188.9
65°	1092.7
67.5°	903.8
70°	677.0
72.5°	470.3
75°	323.0
77.5°	229.2
80°	174.6
82.5°	149.6
85°	146.1
87.5°	158.0
90°	185.3
92.5°	226.8
95°	272.0
97.5°	305.2
100°	311.2
102.5°	291.0
105°	254.2
107.5°	216.2
110°	180.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	147.3
115°	118.8
117.5°	95.0
120°	77.2
122.5°	64.1
125°	57.0
127.5°	52.3
130°	51.1
132.5°	51.1
135°	51.1
137.5°	52.3
140°	52.3
142.5°	51.1
145°	49.9
147.5°	47.5
150°	47.5
152.5°	46.3
155°	46.3
157.5°	46.3
160°	47.5
162.5°	46.3
165°	45.1
167.5°	41.6
170°	38.0
172.5°	35.6
175°	35.6
177.5°	36.8
180°	36.8

(END OF REPORT)