

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: P1504523

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (6500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504523
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-49)
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-A-06-TRWH-PS (6500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

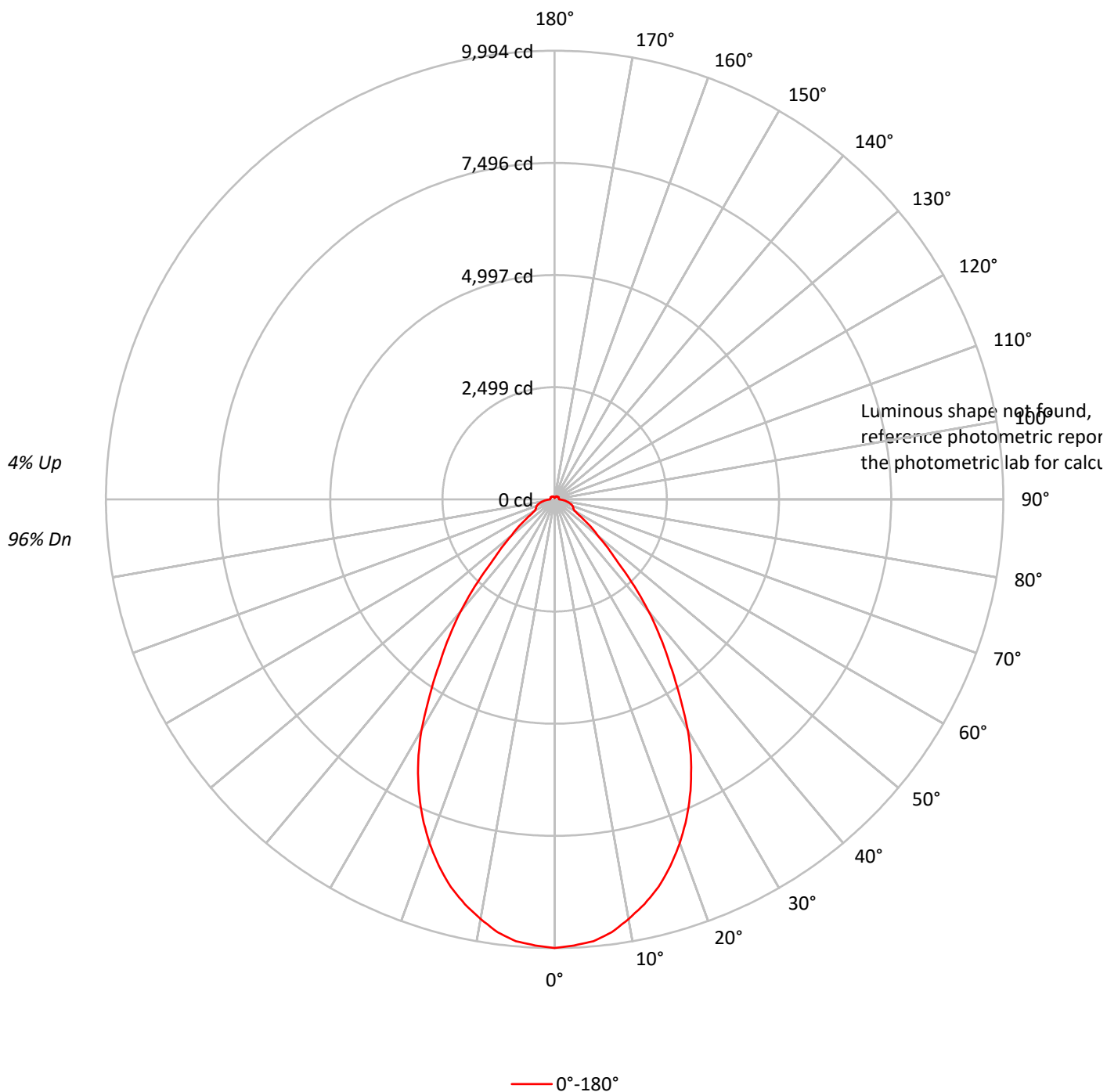
Lumens per Lamp: N/A
Luminaire Lumens: 13470.2 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.5
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





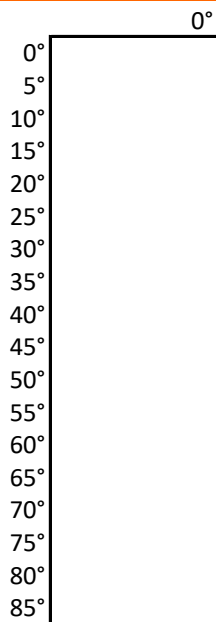
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	96		
1	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	85		
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	76		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	69		
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	68	64	62		
5	85	74	67	62	82	73	66	61	71	65	60	68	63	60	66	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	64	57	51	73	63	56	51	61	55	51	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	44		
9	67	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	41		
10	63	52	45	41	62	51	45	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	930.6	6.9
10°-20°	2500.6	18.6
20°-30°	3264.6	24.2
30°-40°	2809.9	20.9
40°-50°	1624.3	12.1
50°-60°	745.5	5.5
60°-70°	459.1	3.4
70°-80°	377.3	2.8
80°-90°	204.9	1.5
90°-100°	105.9	0.8
100°-110°	103.6	0.8
110°-120°	95.3	0.7
120°-130°	82.1	0.6
130°-140°	66.2	0.5
140°-150°	49.8	0.4
150°-160°	31.8	0.2
160°-170°	15.1	0.1
170°-180°	3.8	0.0
0°-30°	6695.7	49.7
0°-40°	9505.6	70.6
0°-60°	11875.5	88.2
0°-90°	12916.7	95.9
90°-120°	304.8	2.3
90°-150°	502.8	3.7
90°-180°	554.0	4.1
0°-180°	13470.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9994	
5°	9880	931
15°	8938	2501
25°	7161	3265
35°	4473	2810
45°	1998	1624
55°	806	746
65°	458	459
75°	361	377
85°	188	172
90°	97	59
95°	97	79
105°	98	104
115°	96	95
125°	91	82
135°	85	66
145°	80	50
155°	68	32
165°	52	15
175°	37	4
180°	36	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9993.6
2.5°	9945.1
5°	9880.2
7.5°	9726.0
10°	9489.3
12.5°	9236.2
15°	8937.5
17.5°	8567.1
20°	8147.2
22.5°	7683.6
25°	7160.9
27.5°	6584.8
30°	5934.1
32.5°	5173.8
35°	4472.6
37.5°	3854.9
40°	3261.4
42.5°	2629.1
45°	1997.8
47.5°	1613.7
50°	1256.8
52.5°	1044.5
55°	805.9
57.5°	615.8
60°	518.8
62.5°	479.1
65°	457.7
67.5°	444.2
70°	423.8
72.5°	395.7
75°	360.8
77.5°	321.0
80°	278.3
82.5°	234.7
85°	188.1
87.5°	141.6
90°	97.0
92.5°	96.0
95°	97.0
97.5°	97.9
100°	97.9
102.5°	97.9
105°	97.9
107.5°	97.9
110°	97.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	97.0
115°	96.0
117.5°	95.0
120°	94.1
122.5°	93.1
125°	91.2
127.5°	90.2
130°	88.3
132.5°	87.3
135°	85.3
137.5°	83.4
140°	82.4
142.5°	80.5
145°	79.5
147.5°	77.6
150°	75.6
152.5°	72.7
155°	67.9
157.5°	64.0
160°	61.1
162.5°	56.2
165°	52.4
167.5°	48.5
170°	44.6
172.5°	39.8
175°	36.9
177.5°	35.9
180°	35.9

(END OF REPORT)