

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: P1504847

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504847
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-61)
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_L16_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

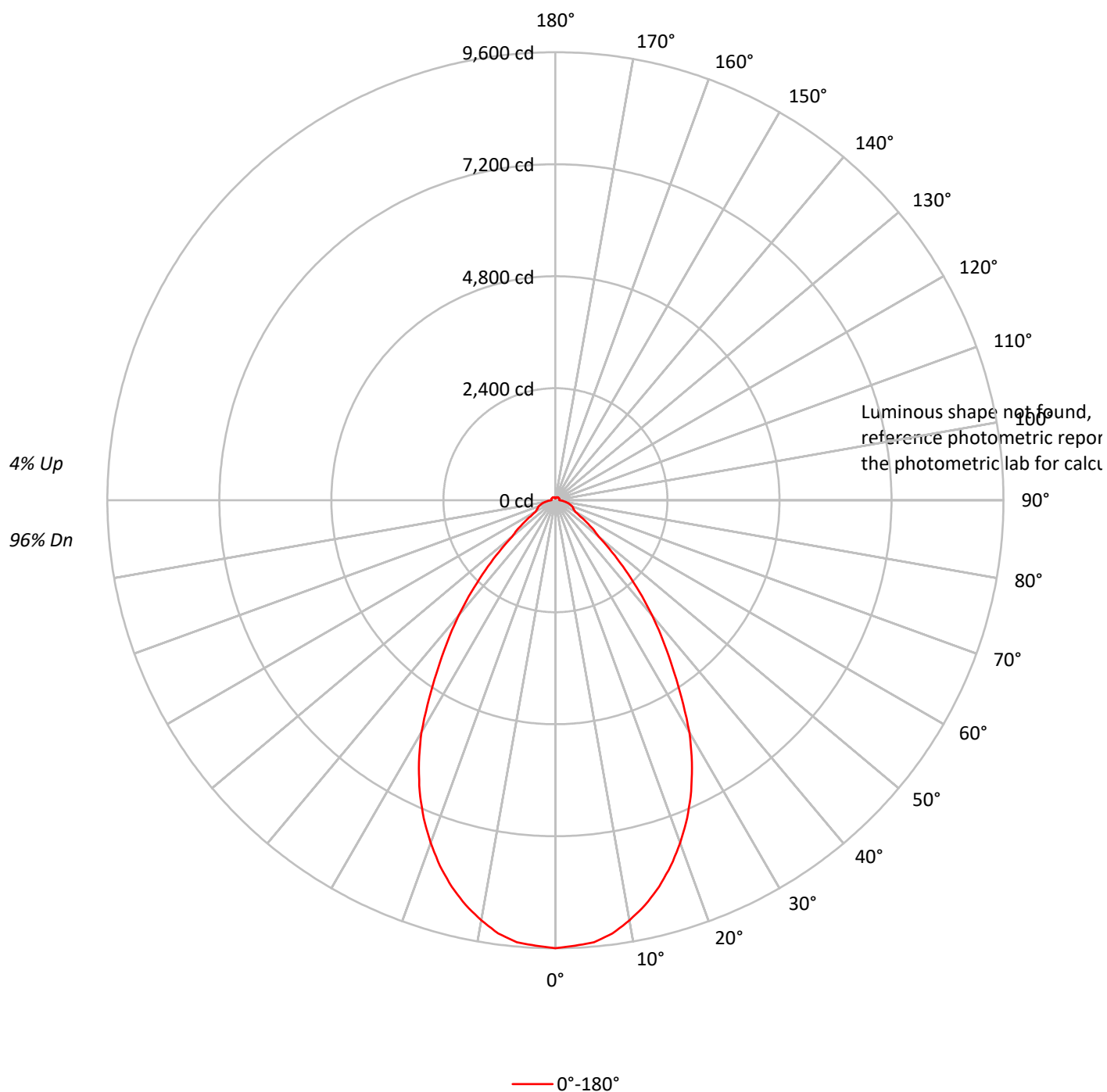
Lumens per Lamp: N/A
Luminaire Lumens: 12969.8 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.3
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





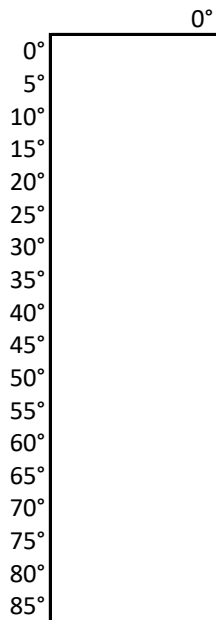
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	109	109	109	103	103	103	98	98	98	96		
1	111	107	104	101	108	104	101	99	99	97	95	95	93	91	91	89	88	86		
2	103	97	92	88	101	95	90	86	91	87	84	87	84	81	84	81	79	77		
3	97	89	82	77	94	87	81	76	83	79	75	80	76	73	78	74	71	69		
4	90	81	74	69	88	80	73	68	77	71	67	74	70	66	72	68	65	63		
5	85	75	67	62	83	73	67	62	71	65	61	69	64	60	67	62	59	57		
6	80	69	62	57	78	68	61	56	66	60	55	64	59	55	62	58	54	52		
7	75	64	57	52	73	63	56	51	61	55	51	60	54	50	58	53	50	48		
8	71	59	52	47	69	59	52	47	57	51	47	56	50	46	54	49	46	44		
9	67	55	49	44	65	55	48	44	53	47	43	52	47	43	51	46	43	41		
10	63	52	45	41	62	51	45	41	50	44	40	49	44	40	48	43	40	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°	895.6	6.9
10°-20°	2401.1	18.5
20°-30°	3138.4	24.2
30°-40°	2742.2	21.1
40°-50°	1650.8	12.7
50°-60°	721.6	5.6
60°-70°	423.7	3.3
70°-80°	326.0	2.5
80°-90°	167.7	1.3
90°-100°	91.1	0.7
100°-110°	90.9	0.7
110°-120°	85.3	0.7
120°-130°	75.0	0.6
130°-140°	61.6	0.5
140°-150°	46.9	0.4
150°-160°	31.4	0.2
160°-170°	16.0	0.1
170°-180°	4.4	0.0
0°-30°	6435.1	49.6
0°-40°	9177.3	70.8
0°-60°	11549.7	89.1
0°-90°	12467.0	96.1
90°-120°	267.4	2.1
90°-150°	450.9	3.5
90°-180°	503.0	3.9
0°-180°	12969.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9600	
5°	9507	896
15°	8575	2401
25°	6882	3138
35°	4366	2742
45°	2117	1651
55°	788	722
65°	422	424
75°	311	326
85°	152	140
90°	84	50
95°	84	69
105°	86	91
115°	86	85
125°	84	75
135°	80	62
145°	74	47
155°	68	31
165°	56	16
175°	44	4
180°	44	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9599.7
2.5°	9555.2
5°	9506.9
7.5°	9364.0
10°	9140.3
12.5°	8884.2
15°	8575.1
17.5°	8216.9
20°	7813.2
22.5°	7372.4
25°	6882.4
27.5°	6333.9
30°	5738.1
32.5°	5029.1
35°	4365.5
37.5°	3781.8
40°	3221.2
42.5°	2661.6
45°	2116.9
47.5°	1642.6
50°	1210.2
52.5°	1007.9
55°	787.9
57.5°	599.5
60°	491.9
62.5°	447.3
65°	422.3
67.5°	404.6
70°	379.6
72.5°	348.0
75°	310.9
77.5°	271.0
80°	230.2
82.5°	191.2
85°	152.2
87.5°	115.1
90°	83.5
92.5°	81.7
95°	83.5
97.5°	84.5
100°	85.4
102.5°	85.4
105°	86.3
107.5°	86.3
110°	86.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	86.3
115°	86.3
117.5°	85.4
120°	85.4
122.5°	84.5
125°	83.5
127.5°	82.6
130°	81.7
132.5°	80.7
135°	79.8
137.5°	78.0
140°	77.0
142.5°	76.1
145°	74.2
147.5°	73.3
150°	72.4
152.5°	70.5
155°	67.7
157.5°	65.0
160°	62.2
162.5°	59.4
165°	55.7
167.5°	52.9
170°	49.2
172.5°	45.5
175°	44.5
177.5°	44.5
180°	44.5

(END OF REPORT)