

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: P1504856

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504856
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 (3500K_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

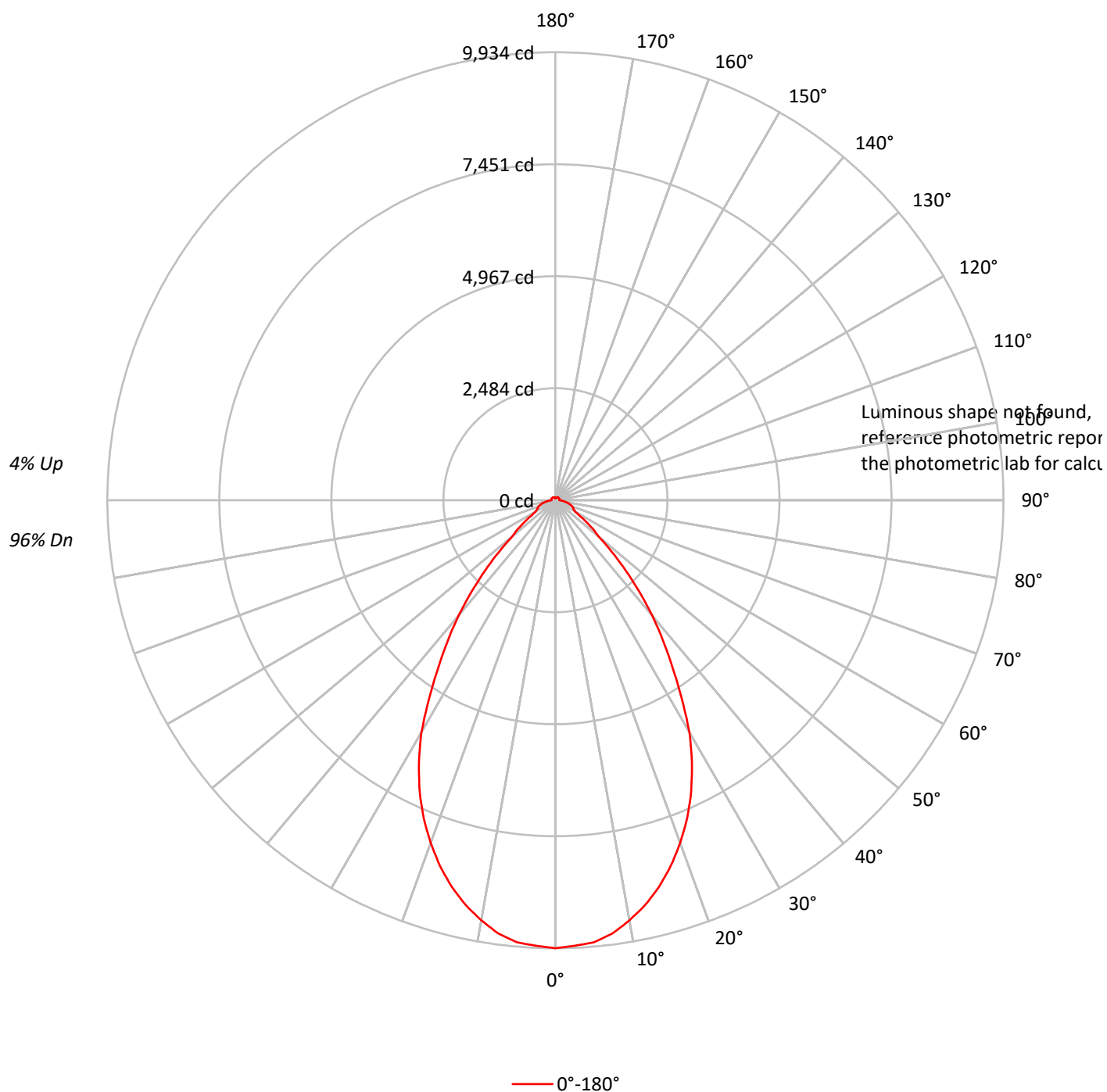
Lumens per Lamp: N/A
Luminaire Lumens: 13421.3 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.4
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





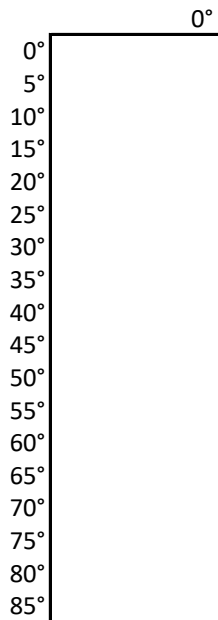
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	926.8	6.9
10°-20°	2484.7	18.5
20°-30°	3247.7	24.2
30°-40°	2837.6	21.1
40°-50°	1708.3	12.7
50°-60°	746.7	5.6
60°-70°	438.4	3.3
70°-80°	337.3	2.5
80°-90°	173.5	1.3
90°-100°	94.3	0.7
100°-110°	94.1	0.7
110°-120°	88.3	0.7
120°-130°	77.6	0.6
130°-140°	63.8	0.5
140°-150°	48.5	0.4
150°-160°	32.5	0.2
160°-170°	16.6	0.1
170°-180°	4.5	0.0
0°-30°	6659.1	49.6
0°-40°	9496.8	70.8
0°-60°	11951.8	89.1
0°-90°	12901.0	96.1
90°-120°	276.7	2.1
90°-150°	466.6	3.5
90°-180°	520.0	3.9
0°-180°	13421.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9934	
5°	9838	927
15°	8874	2485
25°	7122	3248
35°	4518	2838
45°	2191	1708
55°	815	747
65°	437	438
75°	322	337
85°	158	145
90°	86	52
95°	86	71
105°	89	94
115°	89	88
125°	86	78
135°	83	64
145°	77	49
155°	70	33
165°	58	17
175°	46	5
180°	46	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9933.9
2.5°	9887.8
5°	9837.9
7.5°	9690.0
10°	9458.5
12.5°	9193.5
15°	8873.7
17.5°	8503.0
20°	8085.2
22.5°	7629.1
25°	7122.0
27.5°	6554.4
30°	5937.9
32.5°	5204.2
35°	4517.5
37.5°	3913.4
40°	3333.4
42.5°	2754.3
45°	2190.6
47.5°	1699.8
50°	1252.3
52.5°	1042.9
55°	815.3
57.5°	620.4
60°	509.0
62.5°	462.9
65°	437.0
67.5°	418.7
70°	392.8
72.5°	360.1
75°	321.7
77.5°	280.4
80°	238.2
82.5°	197.8
85°	157.5
87.5°	119.1
90°	86.4
92.5°	84.5
95°	86.4
97.5°	87.4
100°	88.4
102.5°	88.4
105°	89.3
107.5°	89.3
110°	89.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	89.3
115°	89.3
117.5°	88.4
120°	88.4
122.5°	87.4
125°	86.4
127.5°	85.5
130°	84.5
132.5°	83.6
135°	82.6
137.5°	80.7
140°	79.7
142.5°	78.7
145°	76.8
147.5°	75.9
150°	74.9
152.5°	73.0
155°	70.1
157.5°	67.2
160°	64.3
162.5°	61.5
165°	57.6
167.5°	54.7
170°	50.9
172.5°	47.1
175°	46.1
177.5°	46.1
180°	46.1

(END OF REPORT)