

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: P1504859

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504859
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_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

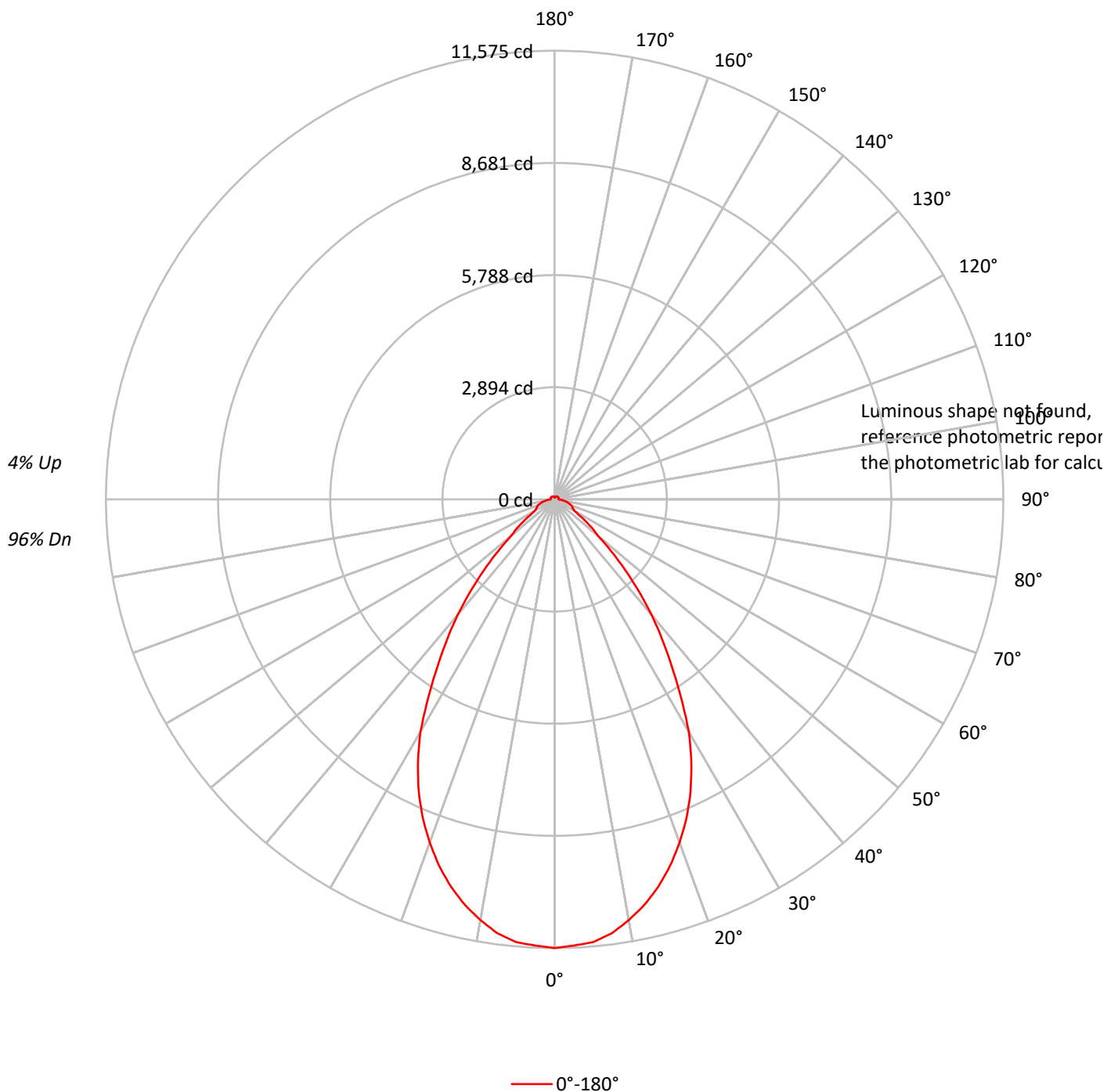
Lumens per Lamp: N/A
Luminaire Lumens: 15638.8 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 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	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°	1079.9	6.9
10°-20°	2895.2	18.5
20°-30°	3784.2	24.2
30°-40°	3306.5	21.1
40°-50°	1990.5	12.7
50°-60°	870.1	5.6
60°-70°	510.9	3.3
70°-80°	393.1	2.5
80°-90°	202.1	1.3
90°-100°	109.9	0.7
100°-110°	109.7	0.7
110°-120°	102.9	0.7
120°-130°	90.4	0.6
130°-140°	74.3	0.5
140°-150°	56.6	0.4
150°-160°	37.9	0.2
160°-170°	19.3	0.1
170°-180°	5.3	0.0
0°-30°	7759.3	49.6
0°-40°	11065.8	70.8
0°-60°	13926.5	89.1
0°-90°	15032.6	96.1
90°-120°	322.5	2.1
90°-150°	543.7	3.5
90°-180°	606.0	3.9
0°-180°	15638.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11575	
5°	11463	###
15°	10340	2895
25°	8299	3784
35°	5264	3306
45°	2552	1991
55°	950	870
65°	509	511
75°	375	393
85°	184	169
90°	101	60
95°	101	83
105°	104	110
115°	104	103
125°	101	90
135°	96	74
145°	90	57
155°	82	38
165°	67	19
175°	54	5
180°	54	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11575.2
2.5°	11521.5
5°	11463.3
7.5°	11290.9
10°	11021.3
12.5°	10712.4
15°	10339.8
17.5°	9907.8
20°	9421.0
22.5°	8889.5
25°	8298.7
27.5°	7637.3
30°	6918.9
32.5°	6064.0
35°	5263.9
37.5°	4560.0
40°	3884.1
42.5°	3209.4
45°	2552.5
47.5°	1980.7
50°	1459.2
52.5°	1215.3
55°	950.1
57.5°	722.9
60°	593.1
62.5°	539.4
65°	509.2
67.5°	487.9
70°	457.7
72.5°	419.6
75°	374.9
77.5°	326.8
80°	277.5
82.5°	230.5
85°	183.5
87.5°	138.8
90°	100.7
92.5°	98.5
95°	100.7
97.5°	101.8
100°	103.0
102.5°	103.0
105°	104.1
107.5°	104.1
110°	104.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	104.1
115°	104.1
117.5°	103.0
120°	103.0
122.5°	101.8
125°	100.7
127.5°	99.6
130°	98.5
132.5°	97.4
135°	96.2
137.5°	94.0
140°	92.9
142.5°	91.8
145°	89.5
147.5°	88.4
150°	87.3
152.5°	85.0
155°	81.7
157.5°	78.3
160°	75.0
162.5°	71.6
165°	67.1
167.5°	63.8
170°	59.3
172.5°	54.8
175°	53.7
177.5°	53.7
180°	53.7

(END OF REPORT)