

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: P1504877

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504877
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 (5000K_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

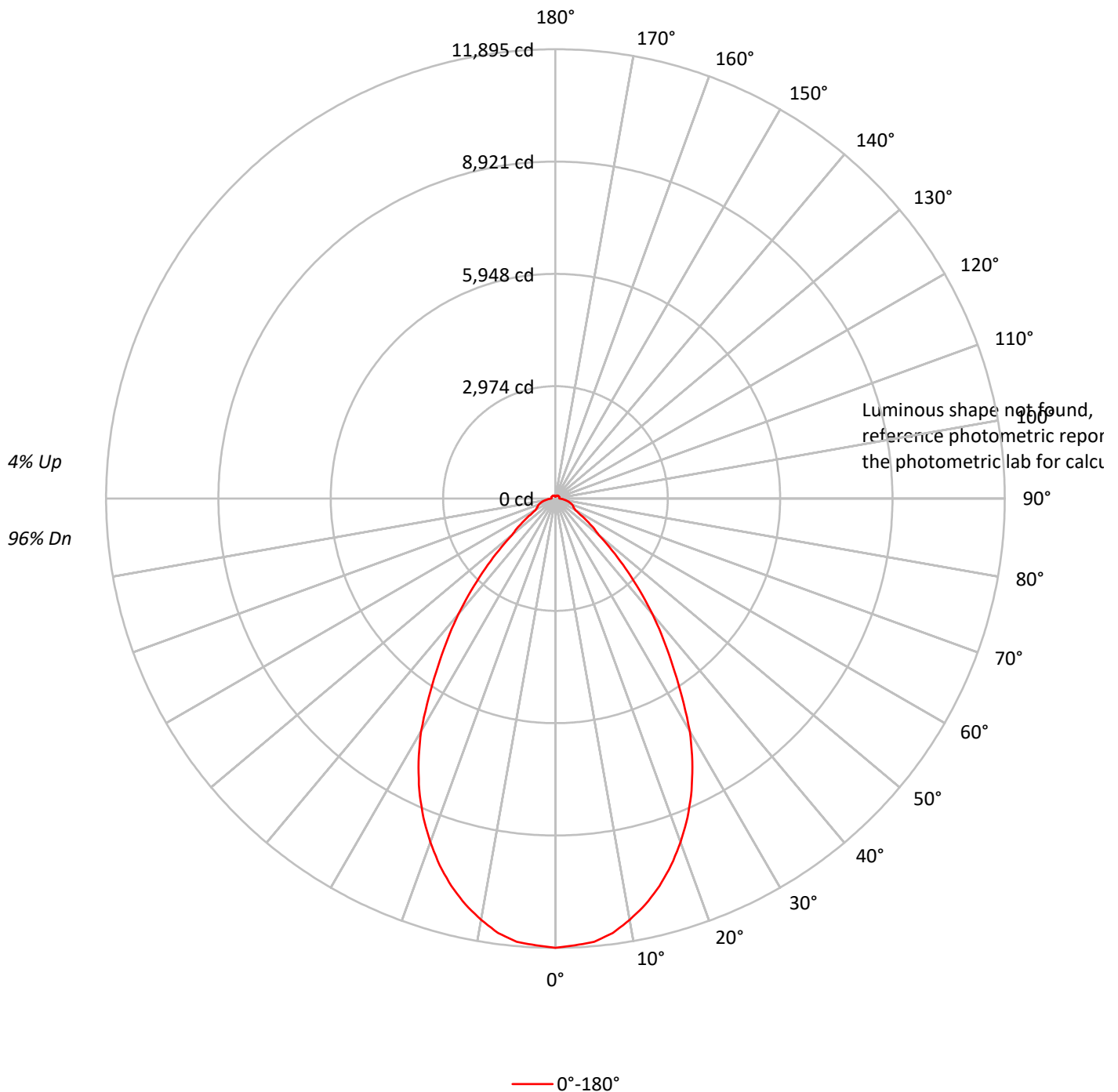
Lumens per Lamp: N/A
Luminaire Lumens: 16070.7 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 120.1
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°	1109.7	6.9
10°-20°	2975.2	18.5
20°-30°	3888.8	24.2
30°-40°	3397.8	21.1
40°-50°	2045.5	12.7
50°-60°	894.1	5.6
60°-70°	525.0	3.3
70°-80°	403.9	2.5
80°-90°	207.7	1.3
90°-100°	112.9	0.7
100°-110°	112.6	0.7
110°-120°	105.7	0.7
120°-130°	92.9	0.6
130°-140°	76.3	0.5
140°-150°	58.1	0.4
150°-160°	39.0	0.2
160°-170°	19.9	0.1
170°-180°	5.4	0.0
0°-30°	7973.8	49.6
0°-40°	11371.6	70.8
0°-60°	14311.3	89.1
0°-90°	15447.9	96.1
90°-120°	331.3	2.1
90°-150°	558.6	3.5
90°-180°	623.0	3.9
0°-180°	16070.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11895	
5°	11780	###
15°	10626	2975
25°	8528	3889
35°	5409	3398
45°	2623	2046
55°	976	894
65°	523	525
75°	385	404
85°	189	174
90°	104	62
95°	104	85
105°	107	113
115°	107	106
125°	104	93
135°	99	76
145°	92	58
155°	84	39
165°	69	20
175°	55	5
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11895.1
2.5°	11839.9
5°	11780.1
7.5°	11603.0
10°	11325.8
12.5°	11008.4
15°	10625.5
17.5°	10181.6
20°	9681.4
22.5°	9135.2
25°	8528.0
27.5°	7848.4
30°	7110.1
32.5°	6231.6
35°	5409.4
37.5°	4686.0
40°	3991.5
42.5°	3298.0
45°	2623.0
47.5°	2035.4
50°	1499.5
52.5°	1248.8
55°	976.3
57.5°	742.9
60°	609.5
62.5°	554.3
65°	523.2
67.5°	501.4
70°	470.3
72.5°	431.2
75°	385.2
77.5°	335.8
80°	285.2
82.5°	236.9
85°	188.6
87.5°	142.6
90°	103.5
92.5°	101.2
95°	103.5
97.5°	104.6
100°	105.8
102.5°	105.8
105°	106.9
107.5°	106.9
110°	106.9

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	106.9
115°	106.9
117.5°	105.8
120°	105.8
122.5°	104.6
125°	103.5
127.5°	102.3
130°	101.2
132.5°	100.0
135°	98.9
137.5°	96.6
140°	95.4
142.5°	94.3
145°	92.0
147.5°	90.8
150°	89.7
152.5°	87.4
155°	83.9
157.5°	80.5
160°	77.0
162.5°	73.6
165°	69.0
167.5°	65.5
170°	60.9
172.5°	56.3
175°	55.2
177.5°	55.2
180°	55.2

(END OF REPORT)