

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: P1504868

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-TRWH-PS (4000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504868
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 (4000K_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

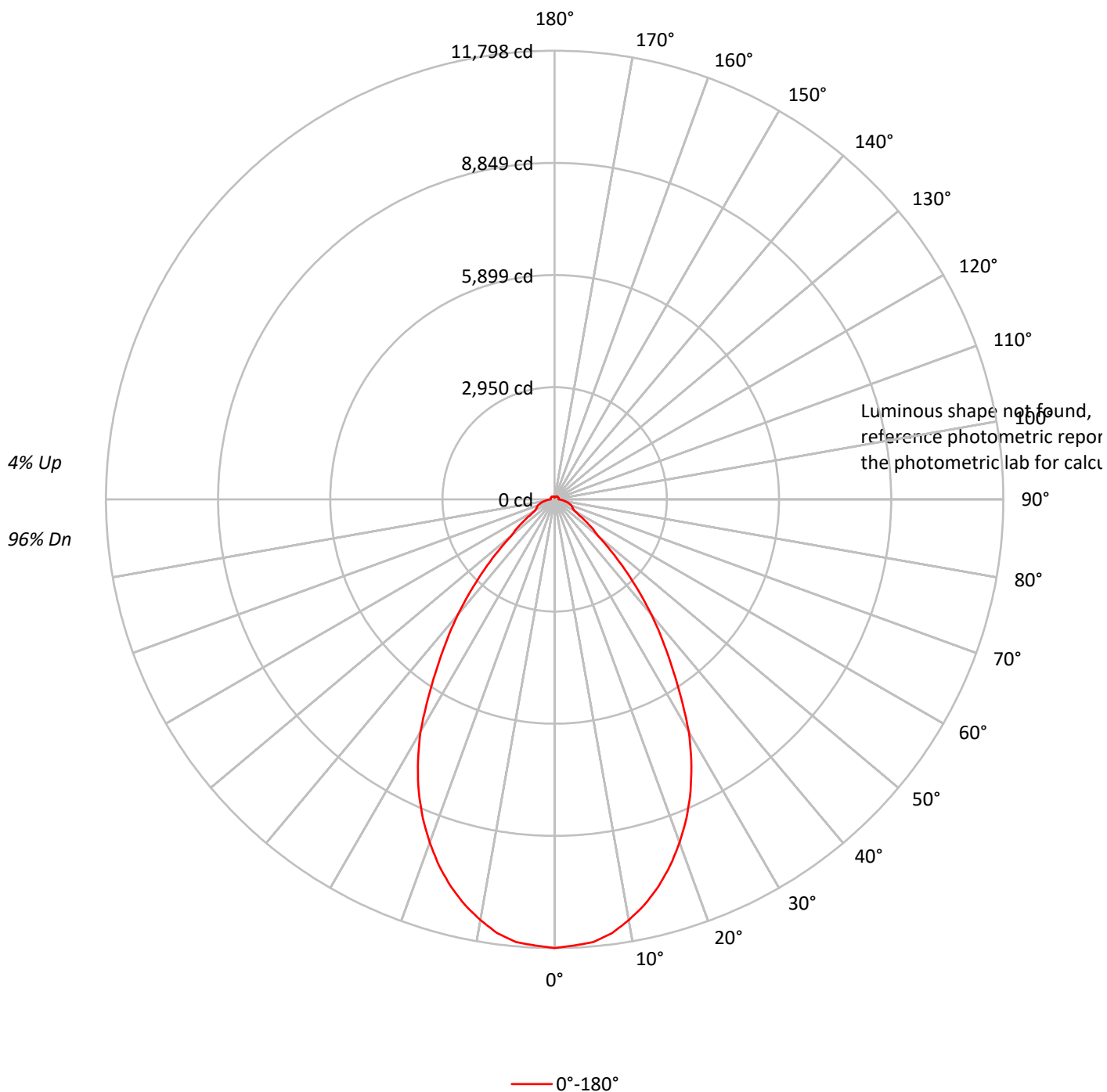
Lumens per Lamp: N/A
Luminaire Lumens: 15940.1 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 119.3
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





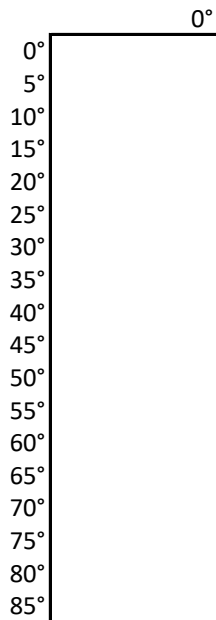
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	1100.7	6.9
10°-20°	2951.0	18.5
20°-30°	3857.2	24.2
30°-40°	3370.2	21.1
40°-50°	2028.9	12.7
50°-60°	886.9	5.6
60°-70°	520.7	3.3
70°-80°	400.7	2.5
80°-90°	206.1	1.3
90°-100°	112.0	0.7
100°-110°	111.8	0.7
110°-120°	104.9	0.7
120°-130°	92.1	0.6
130°-140°	75.7	0.5
140°-150°	57.7	0.4
150°-160°	38.7	0.2
160°-170°	19.7	0.1
170°-180°	5.4	0.0
0°-30°	7908.9	49.6
0°-40°	11279.0	70.8
0°-60°	14194.8	89.1
0°-90°	15322.2	96.1
90°-120°	328.7	2.1
90°-150°	554.2	3.5
90°-180°	618.0	3.9
0°-180°	15940.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11798	
5°	11684	###
15°	10539	2951
25°	8459	3857
35°	5365	3370
45°	2602	2029
55°	968	887
65°	519	521
75°	382	401
85°	187	173
90°	103	61
95°	103	84
105°	106	112
115°	106	105
125°	103	92
135°	98	76
145°	91	58
155°	83	39
165°	68	20
175°	55	5
180°	55	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11798.2
2.5°	11743.5
5°	11684.2
7.5°	11508.5
10°	11233.6
12.5°	10918.8
15°	10539.0
17.5°	10098.8
20°	9602.6
22.5°	9060.8
25°	8458.6
27.5°	7784.5
30°	7052.2
32.5°	6180.8
35°	5365.3
37.5°	4647.9
40°	3959.0
42.5°	3271.2
45°	2601.7
47.5°	2018.8
50°	1487.3
52.5°	1238.7
55°	968.4
57.5°	736.8
60°	604.5
62.5°	549.8
65°	519.0
67.5°	497.3
70°	466.5
72.5°	427.7
75°	382.1
77.5°	333.1
80°	282.9
82.5°	235.0
85°	187.1
87.5°	141.4
90°	102.7
92.5°	100.4
95°	102.7
97.5°	103.8
100°	104.9
102.5°	104.9
105°	106.1
107.5°	106.1
110°	106.1

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	106.1
115°	106.1
117.5°	104.9
120°	104.9
122.5°	103.8
125°	102.7
127.5°	101.5
130°	100.4
132.5°	99.2
135°	98.1
137.5°	95.8
140°	94.7
142.5°	93.5
145°	91.2
147.5°	90.1
150°	89.0
152.5°	86.7
155°	83.3
157.5°	79.8
160°	76.4
162.5°	73.0
165°	68.4
167.5°	65.0
170°	60.5
172.5°	55.9
175°	54.7
177.5°	54.7
180°	54.7

(END OF REPORT)