

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: P1504805

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (3000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504805
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-55)
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-CLER-PS (3000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

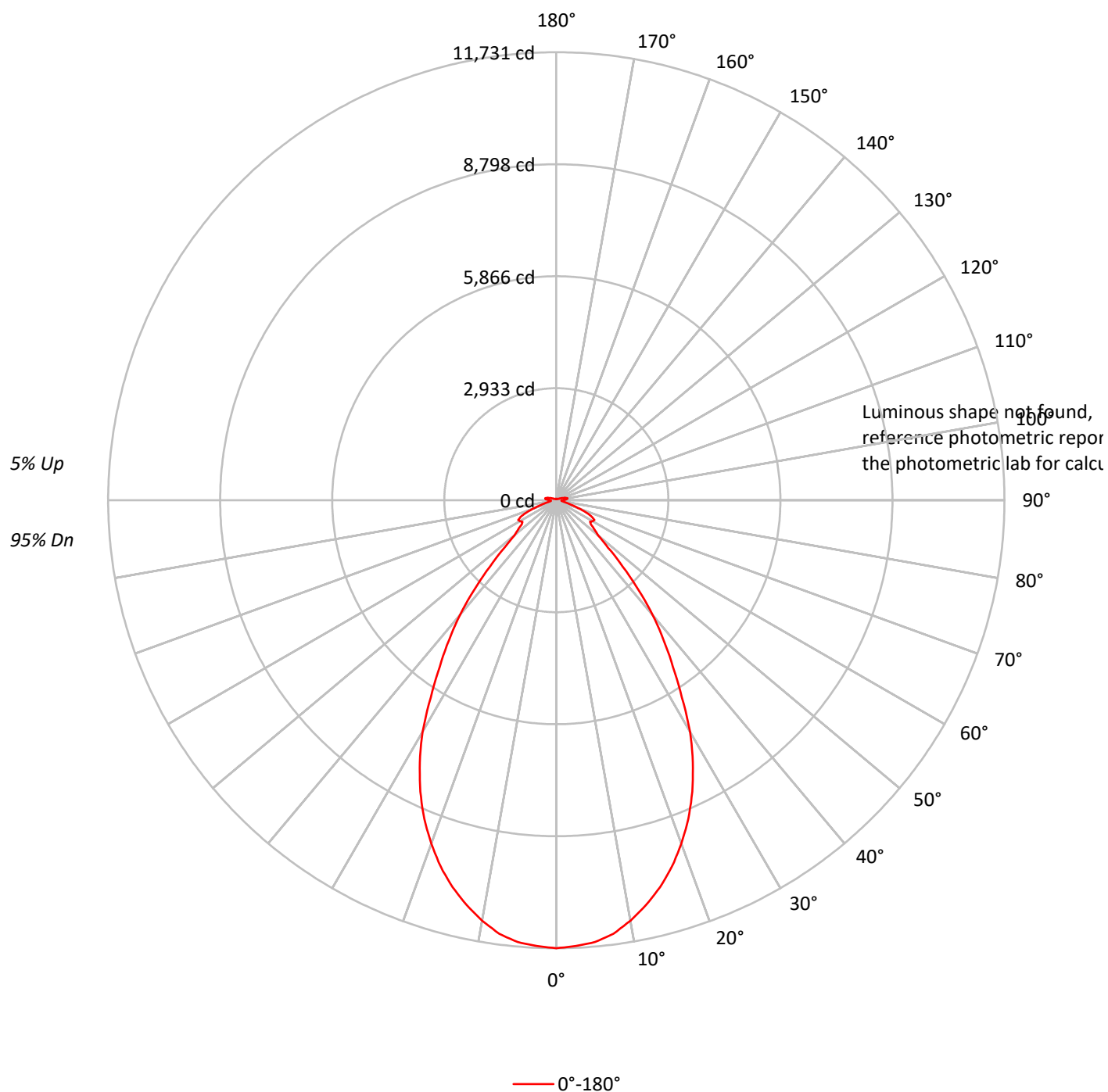
Lumens per Lamp: N/A
Luminaire Lumens: 16477.0 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 122.9
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	108	108	108	103	103	103	98	98	98	95		
1	110	107	103	100	107	104	101	98	99	96	94	94	92	91	90	89	87	85		
2	103	96	91	87	100	94	89	85	90	86	83	86	83	80	83	80	78	76		
3	96	87	81	76	93	86	80	75	82	77	73	79	75	71	76	73	70	68		
4	89	80	73	68	87	78	72	67	75	70	65	73	68	64	70	66	63	61		
5	84	73	66	61	82	72	65	60	70	64	59	67	62	58	65	61	57	55		
6	78	68	60	55	76	66	60	55	64	58	54	62	57	53	60	56	52	50		
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	52	48	46		
8	69	58	51	46	68	57	50	46	56	50	45	54	49	45	53	48	44	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	49	45	41	39		
10	62	51	44	39	61	50	44	39	49	43	39	48	42	39	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1094.7	6.6
10°-20°	2937.9	17.8
20°-30°	3839.2	23.3
30°-40°	3341.2	20.3
40°-50°	1940.9	11.8
50°-60°	1046.0	6.3
60°-70°	960.1	5.8
70°-80°	360.5	2.2
80°-90°	163.5	1.0
90°-100°	271.4	1.6
100°-110°	252.5	1.5
110°-120°	115.6	0.7
120°-130°	50.6	0.3
130°-140°	37.7	0.2
140°-150°	29.5	0.2
150°-160°	20.4	0.1
160°-170°	11.9	0.1
170°-180°	3.3	0.0
0°-30°	7871.8	47.8
0°-40°	11213.0	68.1
0°-60°	14200.0	86.2
0°-90°	15684.1	95.2
90°-120°	639.5	3.9
90°-150°	757.3	4.6
90°-180°	793.0	4.8
0°-180°	16477.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11731	
5°	11612	###
15°	10490	2938
25°	8422	3839
35°	5320	3341
45°	2463	1941
55°	1104	1046
65°	1034	960
75°	306	361
85°	138	119
90°	175	98
95°	257	218
105°	240	253
115°	112	116
125°	54	51
135°	48	38
145°	47	30
155°	44	20
165°	43	12
175°	34	3
180°	35	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11731.3
2.5°	11681.9
5°	11612.2
7.5°	11449.3
10°	11177.5
12.5°	10857.3
15°	10489.9
17.5°	10061.9
20°	9569.8
22.5°	9031.6
25°	8421.6
27.5°	7738.5
30°	7003.8
32.5°	6116.2
35°	5319.7
37.5°	4615.2
40°	3919.8
42.5°	3187.3
45°	2462.7
47.5°	1839.1
50°	1432.4
52.5°	1261.7
55°	1104.4
57.5°	1048.2
60°	1095.4
62.5°	1124.6
65°	1033.6
67.5°	855.0
70°	640.4
72.5°	444.9
75°	305.6
77.5°	216.8
80°	165.2
82.5°	141.6
85°	138.2
87.5°	149.4
90°	175.3
92.5°	214.6
95°	257.3
97.5°	288.7
100°	294.4
102.5°	275.3
105°	240.4
107.5°	204.5
110°	170.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	139.3
115°	112.3
117.5°	89.9
120°	73.0
122.5°	60.7
125°	53.9
127.5°	49.4
130°	48.3
132.5°	48.3
135°	48.3
137.5°	49.4
140°	49.4
142.5°	48.3
145°	47.2
147.5°	44.9
150°	44.9
152.5°	43.8
155°	43.8
157.5°	43.8
160°	44.9
162.5°	43.8
165°	42.7
167.5°	39.3
170°	36.0
172.5°	33.7
175°	33.7
177.5°	34.8
180°	34.8

(END OF REPORT)