

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: P1504826

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-CLER-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504826
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 (5000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC CLEAR SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

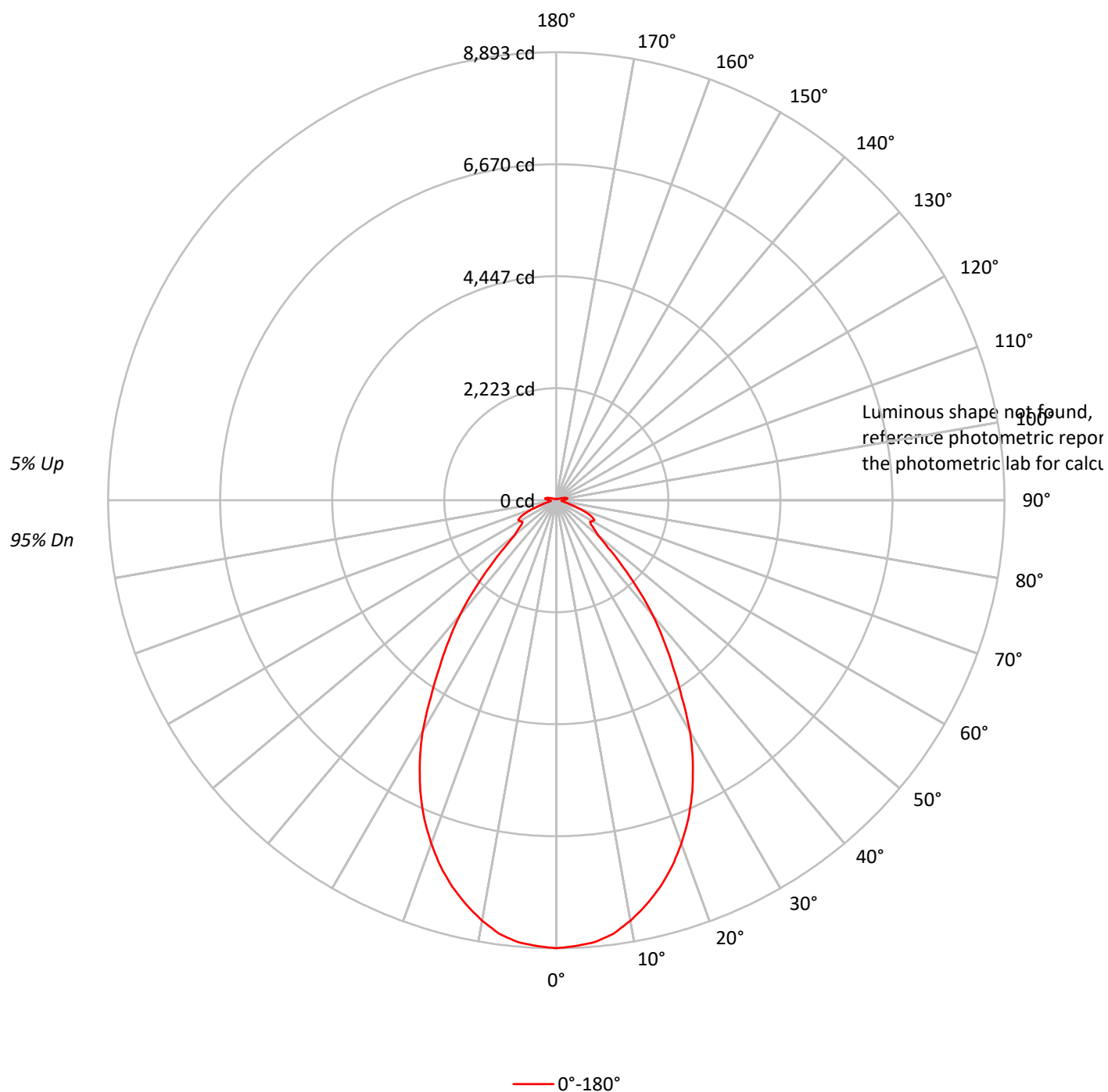
Lumens per Lamp: N/A
Luminaire Lumens: 12490.9 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.3' x L: 1.3' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.1
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	50	30	10	50	30	10		
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°	829.9	6.6
10°-20°	2227.2	17.8
20°-30°	2910.4	23.3
30°-40°	2532.9	20.3
40°-50°	1471.3	11.8
50°-60°	793.0	6.3
60°-70°	727.8	5.8
70°-80°	273.3	2.2
80°-90°	124.0	1.0
90°-100°	205.7	1.6
100°-110°	191.4	1.5
110°-120°	87.7	0.7
120°-130°	38.4	0.3
130°-140°	28.6	0.2
140°-150°	22.4	0.2
150°-160°	15.5	0.1
160°-170°	9.0	0.1
170°-180°	2.5	0.0
0°-30°	5967.5	47.8
0°-40°	8500.4	68.1
0°-60°	10764.7	86.2
0°-90°	11889.8	95.2
90°-120°	484.8	3.9
90°-150°	574.1	4.6
90°-180°	601.0	4.8
0°-180°	12490.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8893	
5°	8803	830
15°	7952	2227
25°	6384	2910
35°	4033	2533
45°	1867	1471
55°	837	793
65°	784	728
75°	232	273
85°	105	90
90°	133	74
95°	195	165
105°	182	191
115°	85	88
125°	41	38
135°	37	29
145°	36	22
155°	33	15
165°	32	9
175°	26	2
180°	26	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8893.3
2.5°	8855.9
5°	8803.1
7.5°	8679.6
10°	8473.5
12.5°	8230.7
15°	7952.2
17.5°	7627.7
20°	7254.7
22.5°	6846.7
25°	6384.3
27.5°	5866.4
30°	5309.4
32.5°	4636.6
35°	4032.7
37.5°	3498.7
40°	2971.5
42.5°	2416.2
45°	1866.9
47.5°	1394.2
50°	1085.9
52.5°	956.4
55°	837.2
57.5°	794.6
60°	830.4
62.5°	852.5
65°	783.6
67.5°	648.1
70°	485.5
72.5°	337.3
75°	231.7
77.5°	164.4
80°	125.2
82.5°	107.3
85°	104.8
87.5°	113.3
90°	132.9
92.5°	162.7
95°	195.0
97.5°	218.9
100°	223.1
102.5°	208.7
105°	182.3
107.5°	155.0
110°	129.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	105.6
115°	85.2
117.5°	68.1
120°	55.4
122.5°	46.0
125°	40.9
127.5°	37.5
130°	36.6
132.5°	36.6
135°	36.6
137.5°	37.5
140°	37.5
142.5°	36.6
145°	35.8
147.5°	34.1
150°	34.1
152.5°	33.2
155°	33.2
157.5°	33.2
160°	34.1
162.5°	33.2
165°	32.4
167.5°	29.8
170°	27.3
172.5°	25.6
175°	25.6
177.5°	26.4
180°	26.4

(END OF REPORT)