

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: P1504520

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504520
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-49)
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-A-06-TRWH-PS (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

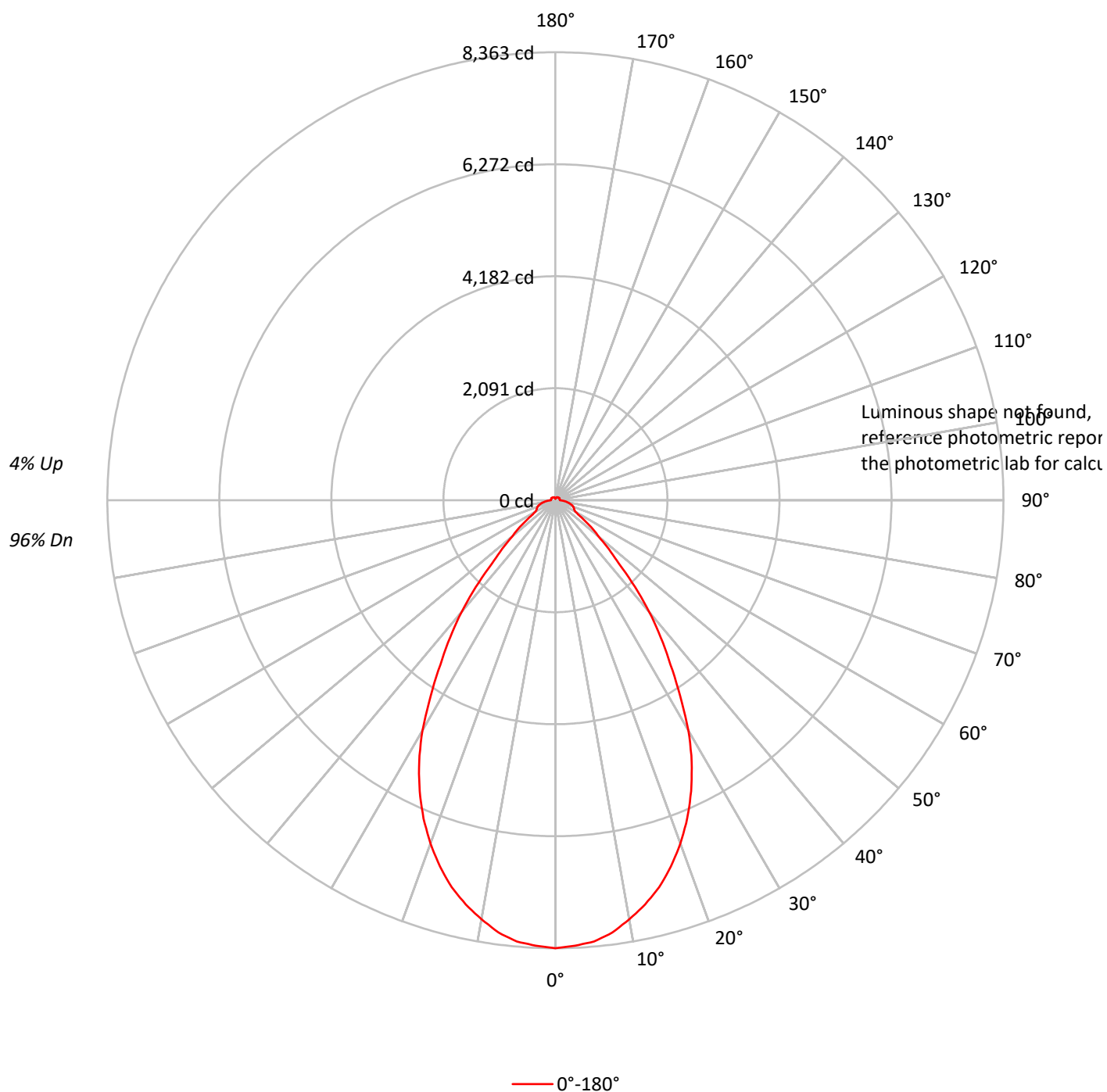
Lumens per Lamp: N/A
Luminaire Lumens: 11272.5 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 83
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



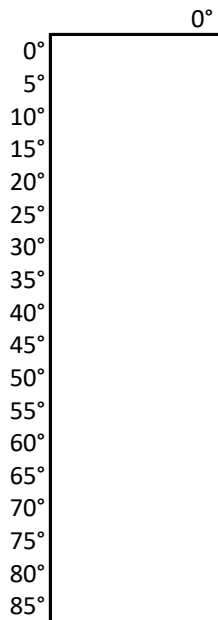
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	110	107	103	100	107	104	101	98	99	97	95	95	93	91	91	89	88	85		
2	103	97	92	87	100	95	90	86	91	87	83	87	84	81	83	81	79	76		
3	96	88	82	77	94	86	81	76	83	78	74	80	76	72	77	74	71	69		
4	90	81	74	69	88	79	73	68	76	71	67	74	69	65	71	68	64	62		
5	85	74	67	62	82	73	66	61	71	65	60	68	63	60	66	62	59	57		
6	79	69	61	56	77	68	61	56	66	60	55	64	58	54	62	57	54	52		
7	75	64	57	51	73	63	56	51	61	55	51	59	54	50	58	53	49	48		
8	70	59	52	47	69	58	52	47	57	51	47	55	50	46	54	49	46	44		
9	67	55	48	44	65	55	48	44	53	47	43	52	47	43	51	46	42	41		
10	63	52	45	41	62	51	45	40	50	44	40	49	44	40	48	43	39	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°	778.7	6.9
10°-20°	2092.6	18.6
20°-30°	2731.9	24.2
30°-40°	2351.4	20.9
40°-50°	1359.3	12.1
50°-60°	623.9	5.5
60°-70°	384.2	3.4
70°-80°	315.7	2.8
80°-90°	171.5	1.5
90°-100°	88.7	0.8
100°-110°	86.7	0.8
110°-120°	79.8	0.7
120°-130°	68.7	0.6
130°-140°	55.4	0.5
140°-150°	41.7	0.4
150°-160°	26.6	0.2
160°-170°	12.6	0.1
170°-180°	3.2	0.0
0°-30°	5603.3	49.7
0°-40°	7954.7	70.6
0°-60°	9937.8	88.2
0°-90°	10809.2	95.9
90°-120°	255.2	2.3
90°-150°	420.9	3.7
90°-180°	463.0	4.1
0°-180°	11272.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8363	
5°	8268	779
15°	7479	2093
25°	5992	2732
35°	3743	2351
45°	1672	1359
55°	674	624
65°	383	384
75°	302	316
85°	157	144
90°	81	49
95°	81	67
105°	82	87
115°	80	80
125°	76	69
135°	71	55
145°	66	42
155°	57	27
165°	44	13
175°	31	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8363.1
2.5°	8322.5
5°	8268.1
7.5°	8139.1
10°	7941.1
12.5°	7729.2
15°	7479.3
17.5°	7169.3
20°	6817.9
22.5°	6429.9
25°	5992.5
27.5°	5510.4
30°	4965.9
32.5°	4329.6
35°	3742.9
37.5°	3225.9
40°	2729.3
42.5°	2200.1
45°	1671.8
47.5°	1350.4
50°	1051.8
52.5°	874.0
55°	674.4
57.5°	515.3
60°	434.2
62.5°	400.9
65°	383.1
67.5°	371.7
70°	354.6
72.5°	331.1
75°	301.9
77.5°	268.6
80°	232.9
82.5°	196.4
85°	157.4
87.5°	118.5
90°	81.2
92.5°	80.3
95°	81.2
97.5°	82.0
100°	82.0
102.5°	82.0
105°	82.0
107.5°	82.0
110°	82.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	81.2
115°	80.3
117.5°	79.5
120°	78.7
122.5°	77.9
125°	76.3
127.5°	75.5
130°	73.9
132.5°	73.0
135°	71.4
137.5°	69.8
140°	69.0
142.5°	67.4
145°	66.5
147.5°	64.9
150°	63.3
152.5°	60.9
155°	56.8
157.5°	53.6
160°	51.1
162.5°	47.1
165°	43.8
167.5°	40.6
170°	37.3
172.5°	33.3
175°	30.8
177.5°	30.0
180°	30.0

(END OF REPORT)