

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: P1504484

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504484
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 (3000K_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

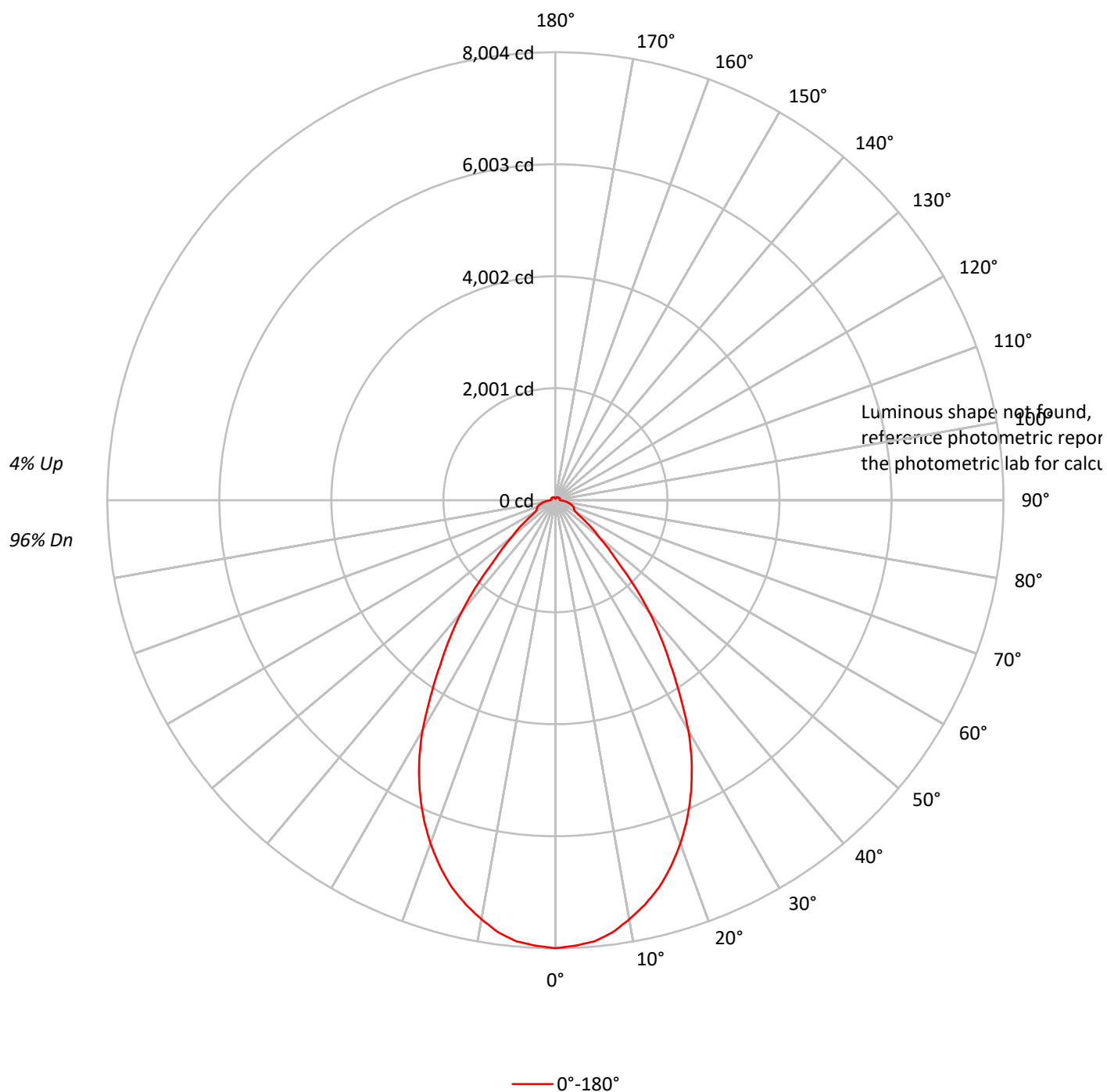
Lumens per Lamp: N/A
Luminaire Lumens: 10788.2 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 82.8
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





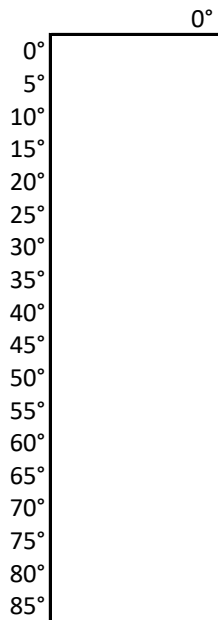
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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°	745.3	6.9
10°-20°	2002.7	18.6
20°-30°	2614.6	24.2
30°-40°	2250.4	20.9
40°-50°	1300.9	12.1
50°-60°	597.1	5.5
60°-70°	367.7	3.4
70°-80°	302.1	2.8
80°-90°	164.1	1.5
90°-100°	84.8	0.8
100°-110°	82.9	0.8
110°-120°	76.3	0.7
120°-130°	65.7	0.6
130°-140°	53.0	0.5
140°-150°	39.9	0.4
150°-160°	25.5	0.2
160°-170°	12.1	0.1
170°-180°	3.0	0.0
0°-30°	5362.6	49.7
0°-40°	7613.0	70.6
0°-60°	9510.9	88.2
0°-90°	10344.9	95.9
90°-120°	244.1	2.3
90°-150°	402.7	3.7
90°-180°	443.0	4.1
0°-180°	10788.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8004	
5°	7913	745
15°	7158	2003
25°	5735	2615
35°	3582	2250
45°	1600	1301
55°	645	597
65°	367	368
75°	289	302
85°	151	138
90°	78	47
95°	78	64
105°	78	83
115°	77	76
125°	73	66
135°	68	53
145°	64	40
155°	54	25
165°	42	12
175°	30	3
180°	29	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8003.8
2.5°	7965.0
5°	7912.9
7.5°	7789.5
10°	7599.9
12.5°	7397.2
15°	7158.0
17.5°	6861.3
20°	6525.0
22.5°	6153.7
25°	5735.1
27.5°	5273.7
30°	4752.6
32.5°	4143.7
35°	3582.1
37.5°	3087.4
40°	2612.0
42.5°	2105.6
45°	1600.0
47.5°	1292.4
50°	1006.6
52.5°	836.5
55°	645.4
57.5°	493.2
60°	415.5
62.5°	383.7
65°	366.6
67.5°	355.7
70°	339.4
72.5°	316.9
75°	288.9
77.5°	257.1
80°	222.9
82.5°	188.0
85°	150.7
87.5°	113.4
90°	77.7
92.5°	76.9
95°	77.7
97.5°	78.4
100°	78.4
102.5°	78.4
105°	78.4
107.5°	78.4
110°	78.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	77.7
115°	76.9
117.5°	76.1
120°	75.3
122.5°	74.6
125°	73.0
127.5°	72.2
130°	70.7
132.5°	69.9
135°	68.3
137.5°	66.8
140°	66.0
142.5°	64.5
145°	63.7
147.5°	62.1
150°	60.6
152.5°	58.3
155°	54.4
157.5°	51.3
160°	48.9
162.5°	45.0
165°	41.9
167.5°	38.8
170°	35.7
172.5°	31.8
175°	29.5
177.5°	28.7
180°	28.7

(END OF REPORT)