

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: P1504493

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504493
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 (3500K_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

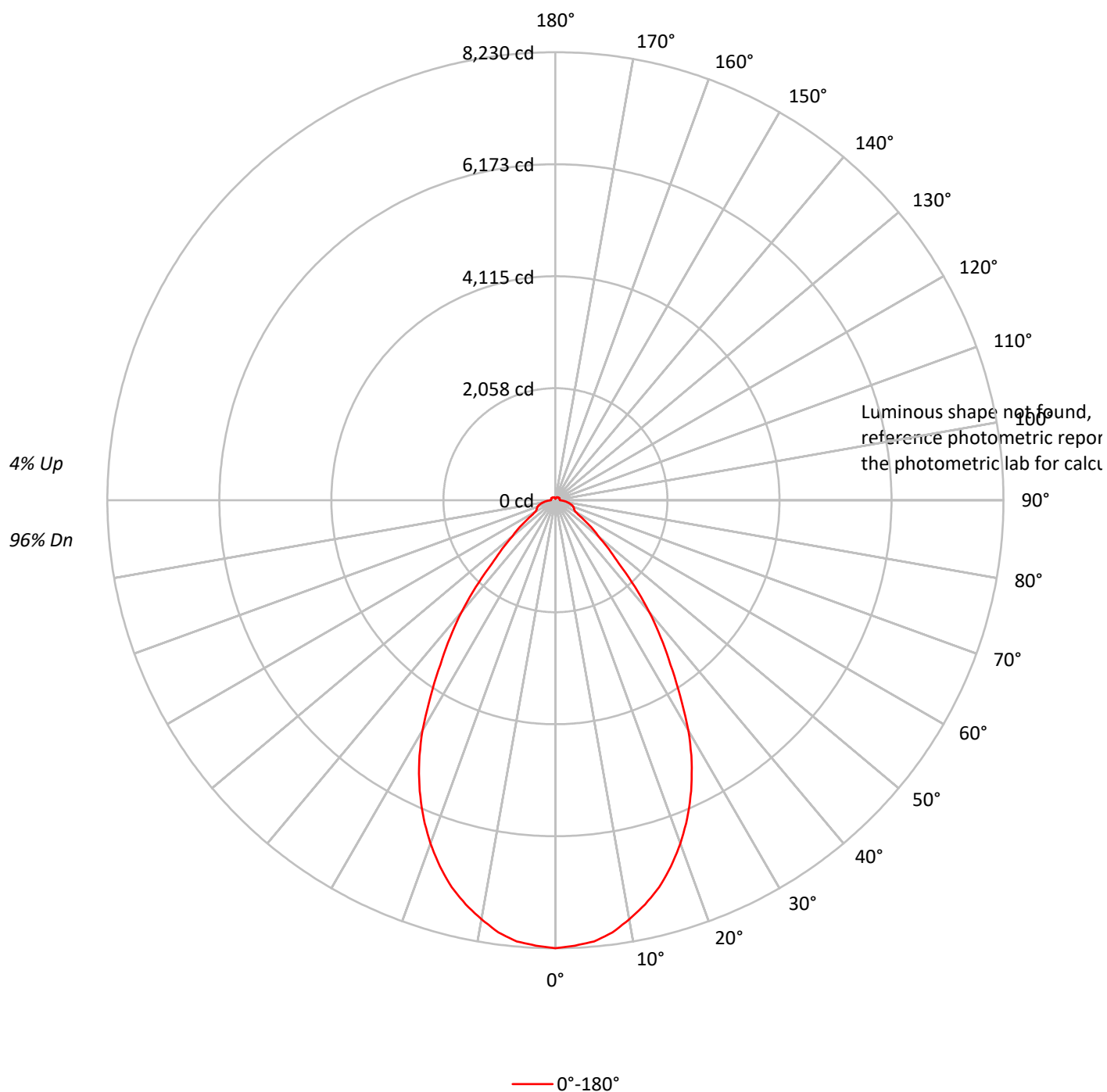
Lumens per Lamp: N/A
Luminaire Lumens: 11092.8 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.7
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
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°	766.3	6.9
10°-20°	2059.2	18.6
20°-30°	2688.4	24.2
30°-40°	2313.9	20.9
40°-50°	1337.6	12.1
50°-60°	613.9	5.5
60°-70°	378.1	3.4
70°-80°	310.6	2.8
80°-90°	168.7	1.5
90°-100°	87.3	0.8
100°-110°	85.4	0.8
110°-120°	78.5	0.7
120°-130°	67.6	0.6
130°-140°	54.5	0.5
140°-150°	41.0	0.4
150°-160°	26.2	0.2
160°-170°	12.4	0.1
170°-180°	3.1	0.0
0°-30°	5513.9	49.7
0°-40°	7827.8	70.6
0°-60°	9779.3	88.2
0°-90°	10636.8	95.9
90°-120°	251.2	2.3
90°-150°	414.3	3.7
90°-180°	456.0	4.1
0°-180°	11092.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8230	
5°	8136	766
15°	7360	2059
25°	5897	2688
35°	3683	2314
45°	1645	1338
55°	664	614
65°	377	378
75°	297	311
85°	155	142
90°	80	49
95°	80	65
105°	81	85
115°	79	79
125°	75	68
135°	70	55
145°	66	41
155°	56	26
165°	43	12
175°	30	3
180°	30	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8229.7
2.5°	8189.8
5°	8136.3
7.5°	8009.3
10°	7814.4
12.5°	7606.0
15°	7360.0
17.5°	7054.9
20°	6709.1
22.5°	6327.4
25°	5897.0
27.5°	5422.6
30°	4886.7
32.5°	4260.6
35°	3683.2
37.5°	3174.5
40°	2685.7
42.5°	2165.0
45°	1645.1
47.5°	1328.9
50°	1035.0
52.5°	860.1
55°	663.6
57.5°	507.1
60°	427.3
62.5°	394.5
65°	376.9
67.5°	365.8
70°	349.0
72.5°	325.8
75°	297.1
77.5°	264.3
80°	229.2
82.5°	193.3
85°	154.9
87.5°	116.6
90°	79.9
92.5°	79.1
95°	79.9
97.5°	80.7
100°	80.7
102.5°	80.7
105°	80.7
107.5°	80.7
110°	80.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	79.9
115°	79.1
117.5°	78.3
120°	77.5
122.5°	76.7
125°	75.1
127.5°	74.3
130°	72.7
132.5°	71.9
135°	70.3
137.5°	68.7
140°	67.9
142.5°	66.3
145°	65.5
147.5°	63.9
150°	62.3
152.5°	59.9
155°	55.9
157.5°	52.7
160°	50.3
162.5°	46.3
165°	43.1
167.5°	39.9
170°	36.7
172.5°	32.7
175°	30.3
177.5°	29.5
180°	29.5

(END OF REPORT)