

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: P1504509

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504509
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-51)
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 (4000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

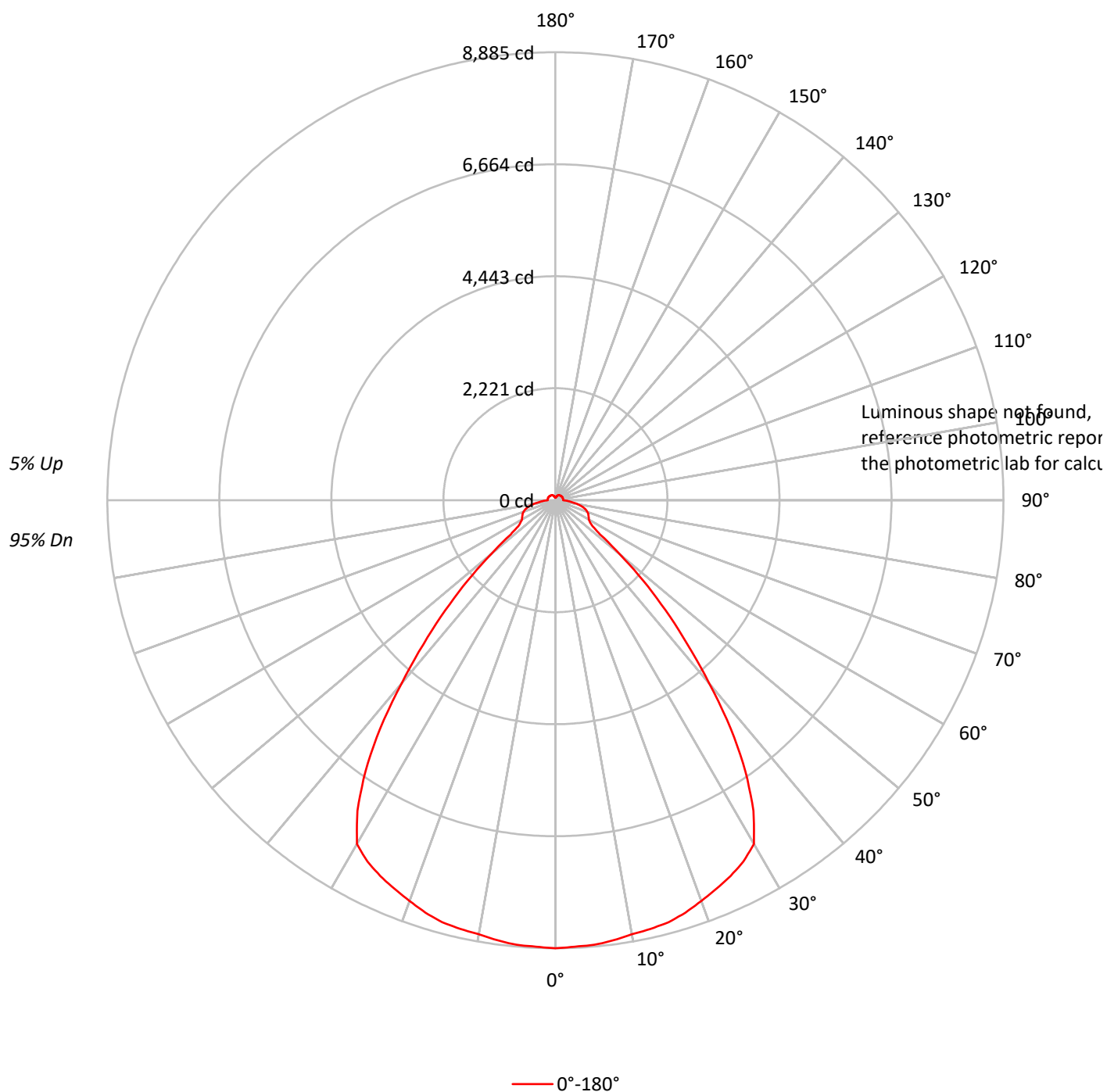
Lumens per Lamp: N/A
Luminaire Lumens: 16894.5 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 119.3
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	97	97	97	95		
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83		
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	78	76	74		
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	65		
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	59		
5	82	71	64	58	80	70	63	58	68	61	57	65	60	56	63	58	55	53		
6	77	66	58	52	75	64	57	52	62	56	51	60	55	50	58	53	50	48		
7	72	60	53	47	70	59	52	47	57	51	47	56	50	46	54	49	45	43		
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	50	45	41	40		
9	63	52	44	40	62	51	44	39	49	43	39	48	43	39	47	42	38	36		
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	841.1	5.0
10°-20°	2444.4	14.5
20°-30°	3788.3	22.4
30°-40°	4029.8	23.9
40°-50°	2393.0	14.2
50°-60°	902.2	5.3
60°-70°	717.2	4.2
70°-80°	608.7	3.6
80°-90°	317.6	1.9
90°-100°	165.1	1.0
100°-110°	161.6	1.0
110°-120°	147.9	0.9
120°-130°	126.6	0.7
130°-140°	101.6	0.6
140°-150°	75.4	0.4
150°-160°	47.3	0.3
160°-170°	21.6	0.1
170°-180°	5.1	0.0
0°-30°	7073.8	41.9
0°-40°	11103.6	65.7
0°-60°	14398.8	85.2
0°-90°	16042.3	95.0
90°-120°	474.6	2.8
90°-150°	778.2	4.6
90°-180°	852.0	5.0
0°-180°	16894.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8885	
5°	8852	841
15°	8666	2444
25°	8221	3788
35°	6572	4030
45°	3087	2393
55°	899	902
65°	723	717
75°	586	609
85°	287	267
90°	152	92
95°	151	124
105°	153	162
115°	149	148
125°	142	127
135°	131	102
145°	119	75
155°	101	47
165°	74	22
175°	50	5
180°	47	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8885.3
2.5°	8861.7
5°	8851.5
7.5°	8803.1
10°	8742.3
12.5°	8707.4
15°	8665.7
17.5°	8575.6
20°	8457.3
22.5°	8341.3
25°	8220.8
27.5°	8077.8
30°	7870.5
32.5°	7307.4
35°	6571.9
37.5°	5719.3
40°	4741.7
42.5°	3874.4
45°	3087.2
47.5°	2359.6
50°	1669.2
52.5°	1118.4
55°	898.8
57.5°	817.7
60°	765.9
62.5°	744.5
65°	723.1
67.5°	703.9
70°	675.8
72.5°	637.5
75°	585.7
77.5°	521.5
80°	444.9
82.5°	364.9
85°	287.2
87.5°	215.1
90°	152.0
92.5°	149.8
95°	150.9
97.5°	152.0
100°	153.2
102.5°	153.2
105°	153.2
107.5°	152.0
110°	152.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	150.9
115°	148.7
117.5°	147.5
120°	145.3
122.5°	143.0
125°	141.9
127.5°	138.5
130°	136.3
132.5°	134.0
135°	130.6
137.5°	128.4
140°	126.1
142.5°	122.8
145°	119.4
147.5°	117.1
150°	113.8
152.5°	108.1
155°	101.4
157.5°	94.6
160°	89.0
162.5°	82.2
165°	74.3
167.5°	67.6
170°	60.8
172.5°	55.2
175°	49.6
177.5°	47.3
180°	47.3

(END OF REPORT)