

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: P1504524

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (6500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504524
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 (6500K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

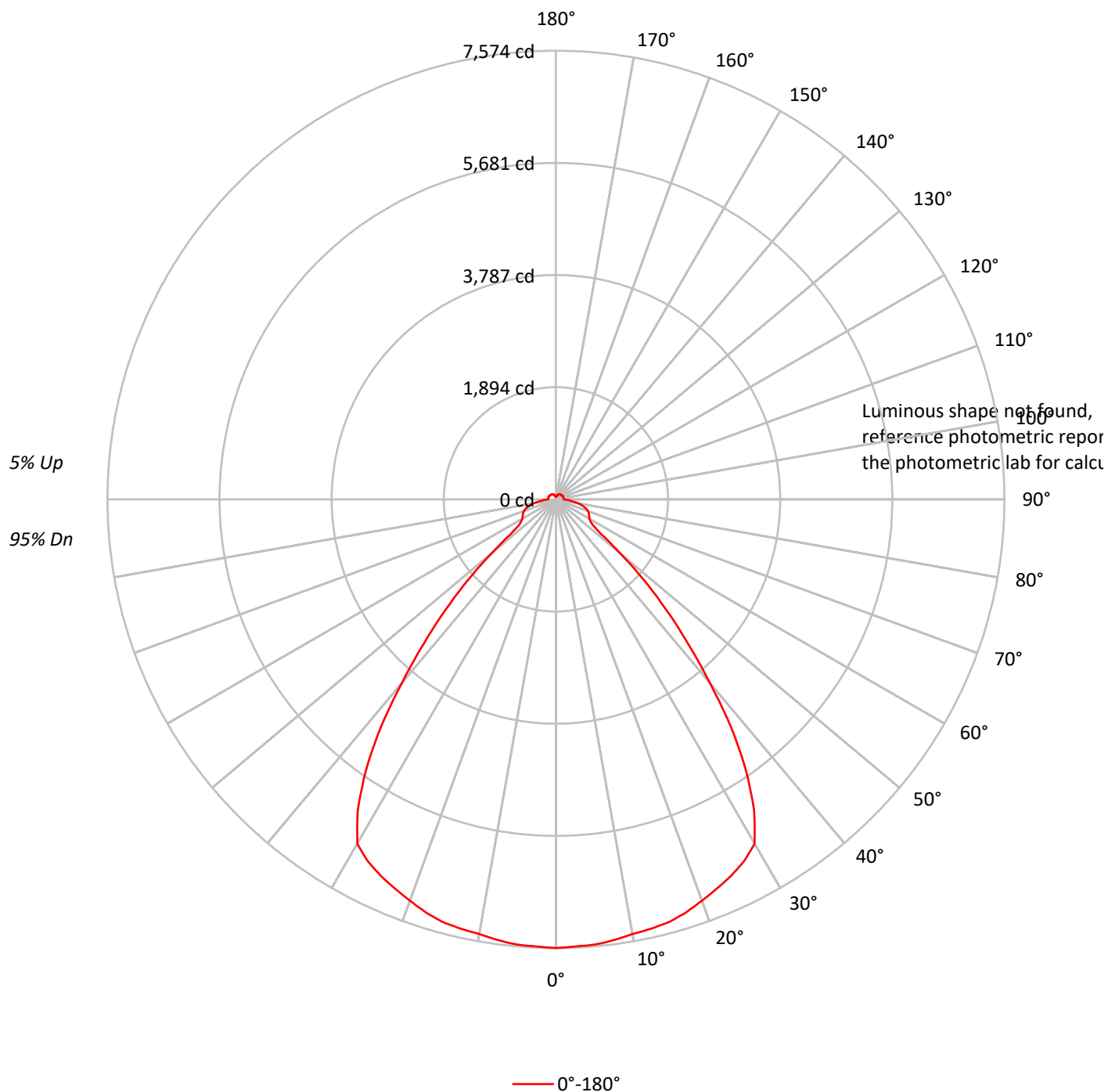
Lumens per Lamp: N/A
Luminaire Lumens: 14401.1 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.5
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°	717.0	5.0
10°-20°	2083.6	14.5
20°-30°	3229.2	22.4
30°-40°	3435.1	23.9
40°-50°	2039.8	14.2
50°-60°	769.0	5.3
60°-70°	611.3	4.2
70°-80°	518.9	3.6
80°-90°	270.7	1.9
90°-100°	140.7	1.0
100°-110°	137.8	1.0
110°-120°	126.0	0.9
120°-130°	107.9	0.7
130°-140°	86.6	0.6
140°-150°	64.3	0.4
150°-160°	40.3	0.3
160°-170°	18.4	0.1
170°-180°	4.4	0.0
0°-30°	6029.8	41.9
0°-40°	9464.9	65.7
0°-60°	12273.7	85.2
0°-90°	13674.6	95.0
90°-120°	404.6	2.8
90°-150°	663.4	4.6
90°-180°	726.0	5.0
0°-180°	14401.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7574	
5°	7545	717
15°	7387	2084
25°	7008	3229
35°	5602	3435
45°	2632	2040
55°	766	769
65°	616	611
75°	499	519
85°	245	228
90°	130	78
95°	129	105
105°	131	138
115°	127	126
125°	121	108
135°	111	87
145°	102	64
155°	86	40
165°	63	18
175°	42	4
180°	40	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7574.0
2.5°	7553.8
5°	7545.2
7.5°	7503.9
10°	7452.0
12.5°	7422.3
15°	7386.8
17.5°	7310.0
20°	7209.1
22.5°	7110.3
25°	7007.5
27.5°	6885.6
30°	6709.0
32.5°	6228.9
35°	5602.0
37.5°	4875.2
40°	4041.9
42.5°	3302.6
45°	2631.5
47.5°	2011.3
50°	1422.8
52.5°	953.3
55°	766.1
57.5°	697.0
60°	652.8
62.5°	634.6
65°	616.4
67.5°	600.0
70°	576.0
72.5°	543.4
75°	499.2
77.5°	444.5
80°	379.2
82.5°	311.1
85°	244.8
87.5°	183.4
90°	129.6
92.5°	127.7
95°	128.6
97.5°	129.6
100°	130.6
102.5°	130.6
105°	130.6
107.5°	129.6
110°	129.6

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	128.6
115°	126.7
117.5°	125.8
120°	123.8
122.5°	121.9
125°	121.0
127.5°	118.1
130°	116.2
132.5°	114.2
135°	111.4
137.5°	109.4
140°	107.5
142.5°	104.6
145°	101.8
147.5°	99.8
150°	97.0
152.5°	92.2
155°	86.4
157.5°	80.6
160°	75.8
162.5°	70.1
165°	63.4
167.5°	57.6
170°	51.8
172.5°	47.0
175°	42.2
177.5°	40.3
180°	40.3

(END OF REPORT)