

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: P1504515

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504515
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 (5000K_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

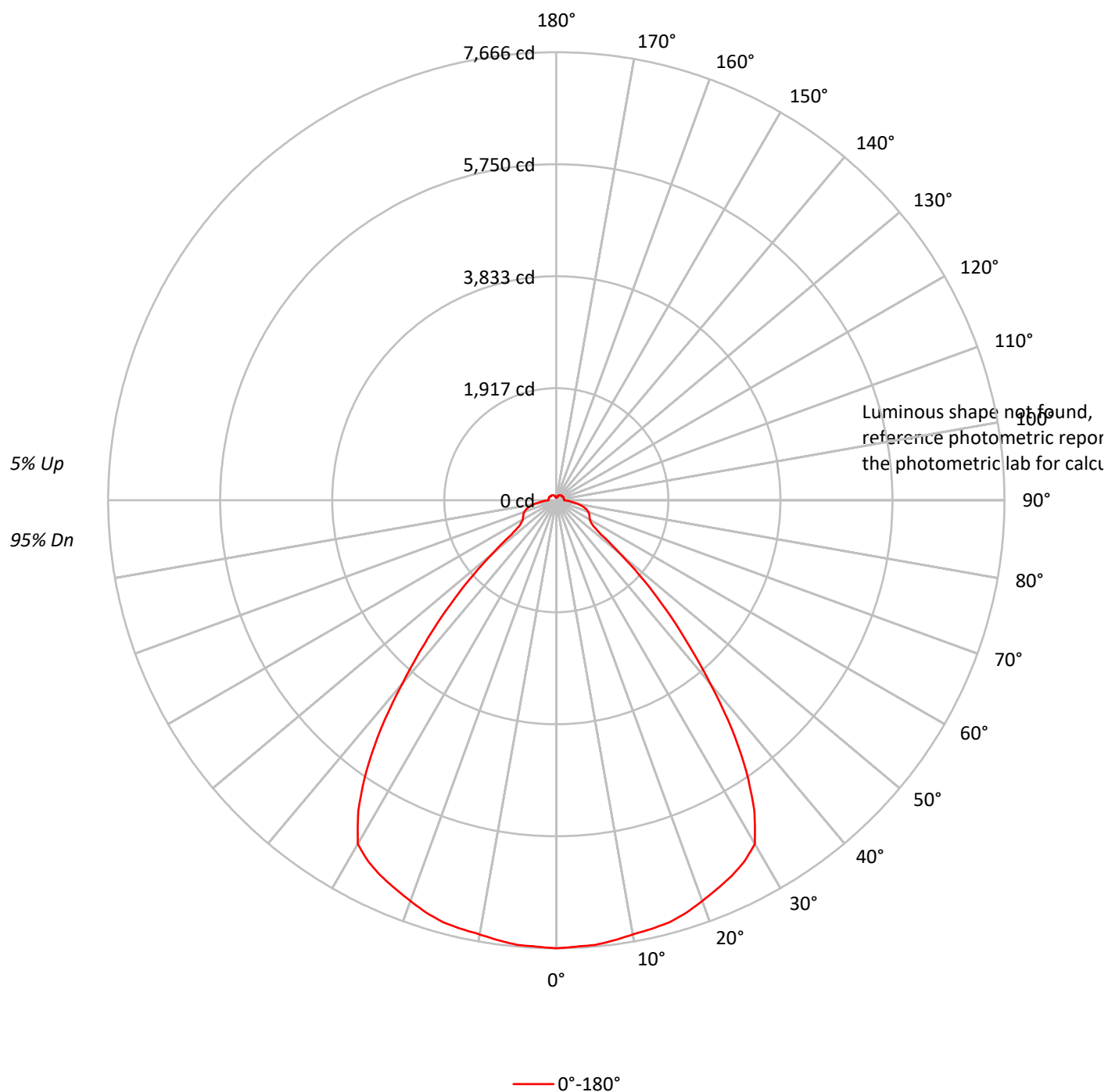
Lumens per Lamp: N/A
Luminaire Lumens: 14577.2 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 100.1
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°	725.8	5.0
10°-20°	2109.1	14.5
20°-30°	3268.7	22.4
30°-40°	3477.1	23.9
40°-50°	2064.7	14.2
50°-60°	778.4	5.3
60°-70°	618.8	4.2
70°-80°	525.2	3.6
80°-90°	274.0	1.9
90°-100°	142.5	1.0
100°-110°	139.5	1.0
110°-120°	127.6	0.9
120°-130°	109.3	0.7
130°-140°	87.7	0.6
140°-150°	65.1	0.4
150°-160°	40.8	0.3
160°-170°	18.6	0.1
170°-180°	4.4	0.0
0°-30°	6103.5	41.9
0°-40°	9580.6	65.7
0°-60°	12423.7	85.2
0°-90°	13841.8	95.0
90°-120°	409.5	2.8
90°-150°	671.5	4.6
90°-180°	735.0	5.0
0°-180°	14577.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7666	
5°	7637	726
15°	7477	2109
25°	7093	3269
35°	5670	3477
45°	2664	2065
55°	776	778
65°	624	619
75°	505	525
85°	248	231
90°	131	79
95°	130	107
105°	132	139
115°	128	128
125°	122	109
135°	113	88
145°	103	65
155°	88	41
165°	64	19
175°	43	4
180°	41	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7666.5
2.5°	7646.1
5°	7637.4
7.5°	7595.6
10°	7543.1
12.5°	7513.0
15°	7477.0
17.5°	7399.3
20°	7297.2
22.5°	7197.2
25°	7093.2
27.5°	6969.8
30°	6790.9
32.5°	6305.0
35°	5670.5
37.5°	4934.8
40°	4091.3
42.5°	3343.0
45°	2663.7
47.5°	2035.9
50°	1440.2
52.5°	965.0
55°	775.5
57.5°	705.5
60°	660.8
62.5°	642.4
65°	623.9
67.5°	607.4
70°	583.1
72.5°	550.0
75°	505.3
77.5°	449.9
80°	383.9
82.5°	314.9
85°	247.8
87.5°	185.6
90°	131.2
92.5°	129.2
95°	130.2
97.5°	131.2
100°	132.2
102.5°	132.2
105°	132.2
107.5°	131.2
110°	131.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	130.2
115°	128.3
117.5°	127.3
120°	125.4
122.5°	123.4
125°	122.4
127.5°	119.5
130°	117.6
132.5°	115.6
135°	112.7
137.5°	110.8
140°	108.8
142.5°	105.9
145°	103.0
147.5°	101.1
150°	98.2
152.5°	93.3
155°	87.5
157.5°	81.6
160°	76.8
162.5°	70.9
165°	64.1
167.5°	58.3
170°	52.5
172.5°	47.6
175°	42.8
177.5°	40.8
180°	40.8

(END OF REPORT)