

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: P1504488

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504488
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 (3000K_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

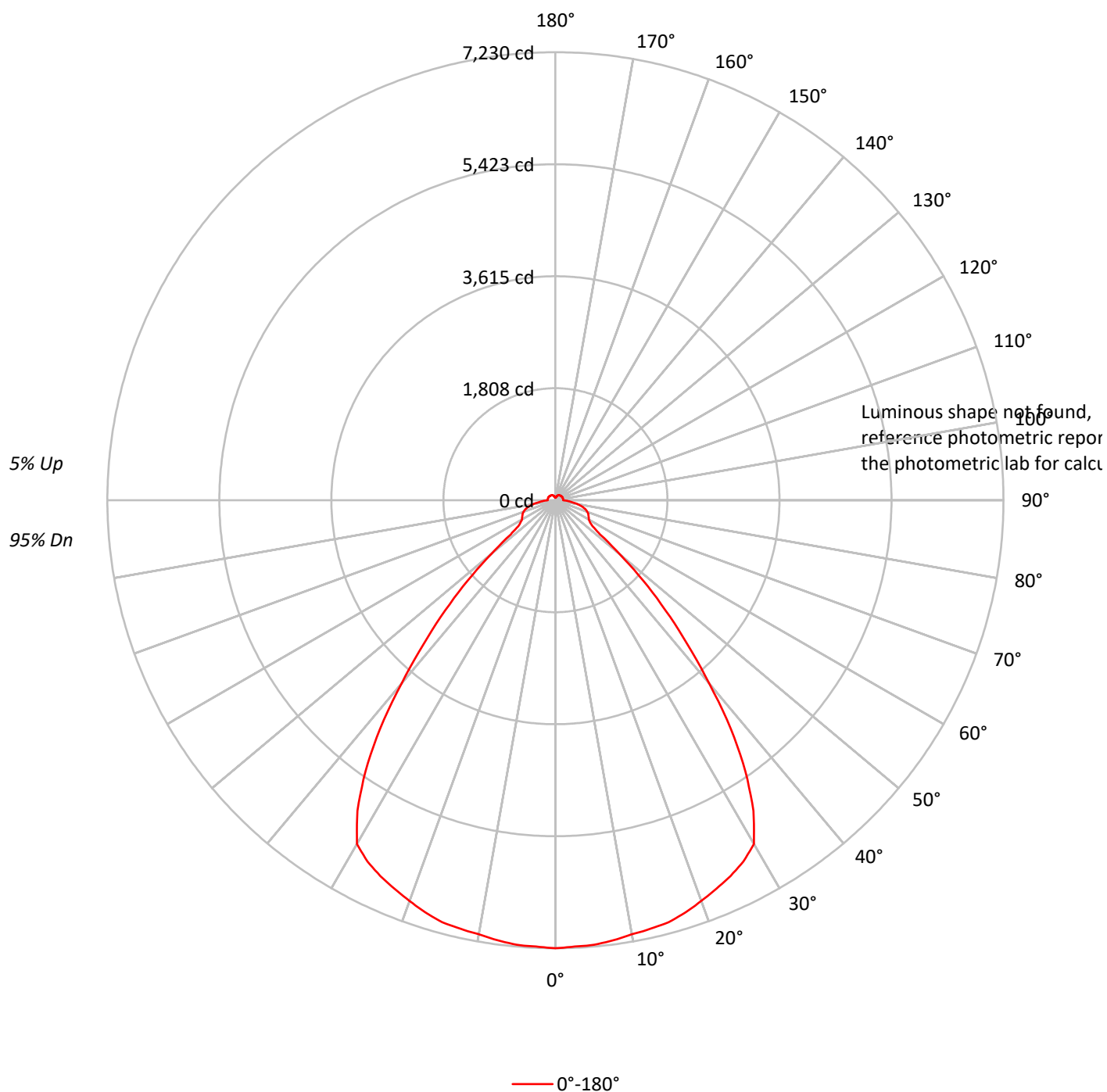
Lumens per Lamp: N/A
Luminaire Lumens: 13746.4 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 102.3
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	50	30	10	50	30	10		
RCR																									
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	97	97	97	97	95			
1	110	106	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	86	86	86	86	83			
2	102	95	89	85	99	93	88	83	89	84	81	85	81	78	81	78	76	76	76	76	76	74			
3	95	86	79	74	92	84	78	73	81	75	71	77	73	69	74	71	68	68	68	68	68	65			
4	88	78	71	65	86	77	70	65	74	68	63	71	66	62	68	64	61	61	61	61	61	59			
5	82	71	64	58	80	70	63	58	68	61	57	65	60	56	63	58	55	55	55	55	55	53			
6	77	66	58	52	75	64	57	52	62	56	51	60	55	50	58	53	50	50	50	50	50	48			
7	72	60	53	47	70	59	52	47	57	51	47	56	50	46	54	49	45	45	45	45	45	43			
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	50	45	41	41	41	41	41	40			
9	63	52	44	40	62	51	44	39	49	43	39	48	43	39	47	42	38	38	38	38	38	36			
10	60	48	41	36	58	47	41	36	46	40	36	45	39	35	44	39	35	35	35	35	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°	684.4	5.0
10°-20°	1988.9	14.5
20°-30°	3082.4	22.4
30°-40°	3278.9	23.9
40°-50°	1947.1	14.2
50°-60°	734.0	5.3
60°-70°	583.5	4.2
70°-80°	495.3	3.6
80°-90°	258.4	1.9
90°-100°	134.3	1.0
100°-110°	131.5	1.0
110°-120°	120.4	0.9
120°-130°	103.0	0.7
130°-140°	82.7	0.6
140°-150°	61.4	0.4
150°-160°	38.5	0.3
160°-170°	17.6	0.1
170°-180°	4.2	0.0
0°-30°	5755.7	41.9
0°-40°	9034.6	65.7
0°-60°	11715.7	85.2
0°-90°	13052.9	95.0
90°-120°	386.2	2.8
90°-150°	633.3	4.6
90°-180°	693.0	5.0
0°-180°	13746.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7230	
5°	7202	684
15°	7051	1989
25°	6689	3082
35°	5347	3279
45°	2512	1947
55°	731	734
65°	588	584
75°	476	495
85°	234	217
90°	124	75
95°	123	101
105°	125	131
115°	121	120
125°	116	103
135°	106	83
145°	97	61
155°	82	38
165°	60	18
175°	40	4
180°	38	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7229.6
2.5°	7210.3
5°	7202.1
7.5°	7162.7
10°	7113.2
12.5°	7084.8
15°	7050.9
17.5°	6977.6
20°	6881.4
22.5°	6787.0
25°	6688.9
27.5°	6572.5
30°	6403.9
32.5°	5945.7
35°	5347.3
37.5°	4653.6
40°	3858.1
42.5°	3152.5
45°	2511.9
47.5°	1919.9
50°	1358.1
52.5°	910.0
55°	731.3
57.5°	665.3
60°	623.2
62.5°	605.7
65°	588.3
67.5°	572.8
70°	549.8
72.5°	518.7
75°	476.5
77.5°	424.3
80°	362.0
82.5°	296.9
85°	233.7
87.5°	175.0
90°	123.7
92.5°	121.9
95°	122.8
97.5°	123.7
100°	124.6
102.5°	124.6
105°	124.6
107.5°	123.7
110°	123.7

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	122.8
115°	121.0
117.5°	120.1
120°	118.2
122.5°	116.4
125°	115.5
127.5°	112.7
130°	110.9
132.5°	109.1
135°	106.3
137.5°	104.5
140°	102.6
142.5°	99.9
145°	97.1
147.5°	95.3
150°	92.6
152.5°	88.0
155°	82.5
157.5°	77.0
160°	72.4
162.5°	66.9
165°	60.5
167.5°	55.0
170°	49.5
172.5°	44.9
175°	40.3
177.5°	38.5
180°	38.5

(END OF REPORT)