

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: P1504485

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504485
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_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

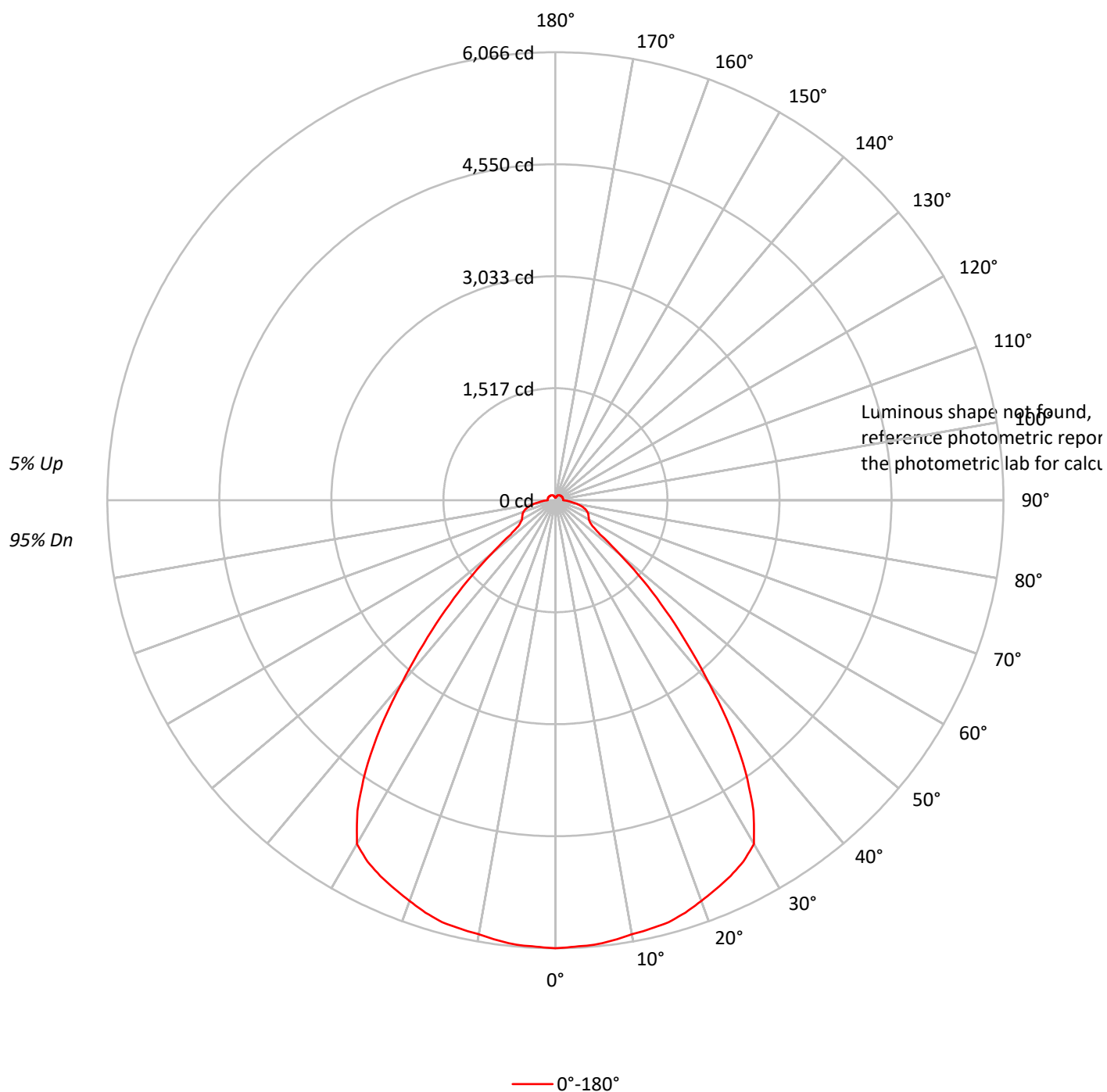
Lumens per Lamp: N/A
Luminaire Lumens: 11533.8 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 82.8
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	97			
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°	574.2	5.0
10°-20°	1668.7	14.5
20°-30°	2586.3	22.4
30°-40°	2751.1	23.9
40°-50°	1633.7	14.2
50°-60°	615.9	5.3
60°-70°	489.6	4.2
70°-80°	415.5	3.6
80°-90°	216.8	1.9
90°-100°	112.7	1.0
100°-110°	110.3	1.0
110°-120°	101.0	0.9
120°-130°	86.5	0.7
130°-140°	69.4	0.6
140°-150°	51.5	0.4
150°-160°	32.3	0.3
160°-170°	14.7	0.1
170°-180°	3.5	0.0
0°-30°	4829.2	41.9
0°-40°	7580.4	65.7
0°-60°	9829.9	85.2
0°-90°	10951.9	95.0
90°-120°	324.0	2.8
90°-150°	531.4	4.6
90°-180°	582.0	5.0
0°-180°	11533.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6066	
5°	6043	574
15°	5916	1669
25°	5612	2586
35°	4487	2751
45°	2108	1634
55°	614	616
65°	494	490
75°	400	416
85°	196	182
90°	104	63
95°	103	84
105°	105	110
115°	102	101
125°	97	86
135°	89	69
145°	82	51
155°	69	32
165°	51	15
175°	34	4
180°	32	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6065.9
2.5°	6049.8
5°	6042.9
7.5°	6009.8
10°	5968.3
12.5°	5944.4
15°	5916.0
17.5°	5854.5
20°	5773.8
22.5°	5694.6
25°	5612.3
27.5°	5514.6
30°	5373.1
32.5°	4988.7
35°	4486.6
37.5°	3904.5
40°	3237.1
42.5°	2645.1
45°	2107.6
47.5°	1610.9
50°	1139.5
52.5°	763.5
55°	613.6
57.5°	558.2
60°	522.9
62.5°	508.3
65°	493.6
67.5°	480.6
70°	461.3
72.5°	435.2
75°	399.8
77.5°	356.0
80°	303.7
82.5°	249.1
85°	196.1
87.5°	146.9
90°	103.8
92.5°	102.3
95°	103.0
97.5°	103.8
100°	104.6
102.5°	104.6
105°	104.6
107.5°	103.8
110°	103.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	103.0
115°	101.5
117.5°	100.7
120°	99.2
122.5°	97.7
125°	96.9
127.5°	94.6
130°	93.0
132.5°	91.5
135°	89.2
137.5°	87.7
140°	86.1
142.5°	83.8
145°	81.5
147.5°	80.0
150°	77.7
152.5°	73.8
155°	69.2
157.5°	64.6
160°	60.7
162.5°	56.1
165°	50.7
167.5°	46.1
170°	41.5
172.5°	37.7
175°	33.8
177.5°	32.3
180°	32.3

(END OF REPORT)