

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: P1504503

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504503
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_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

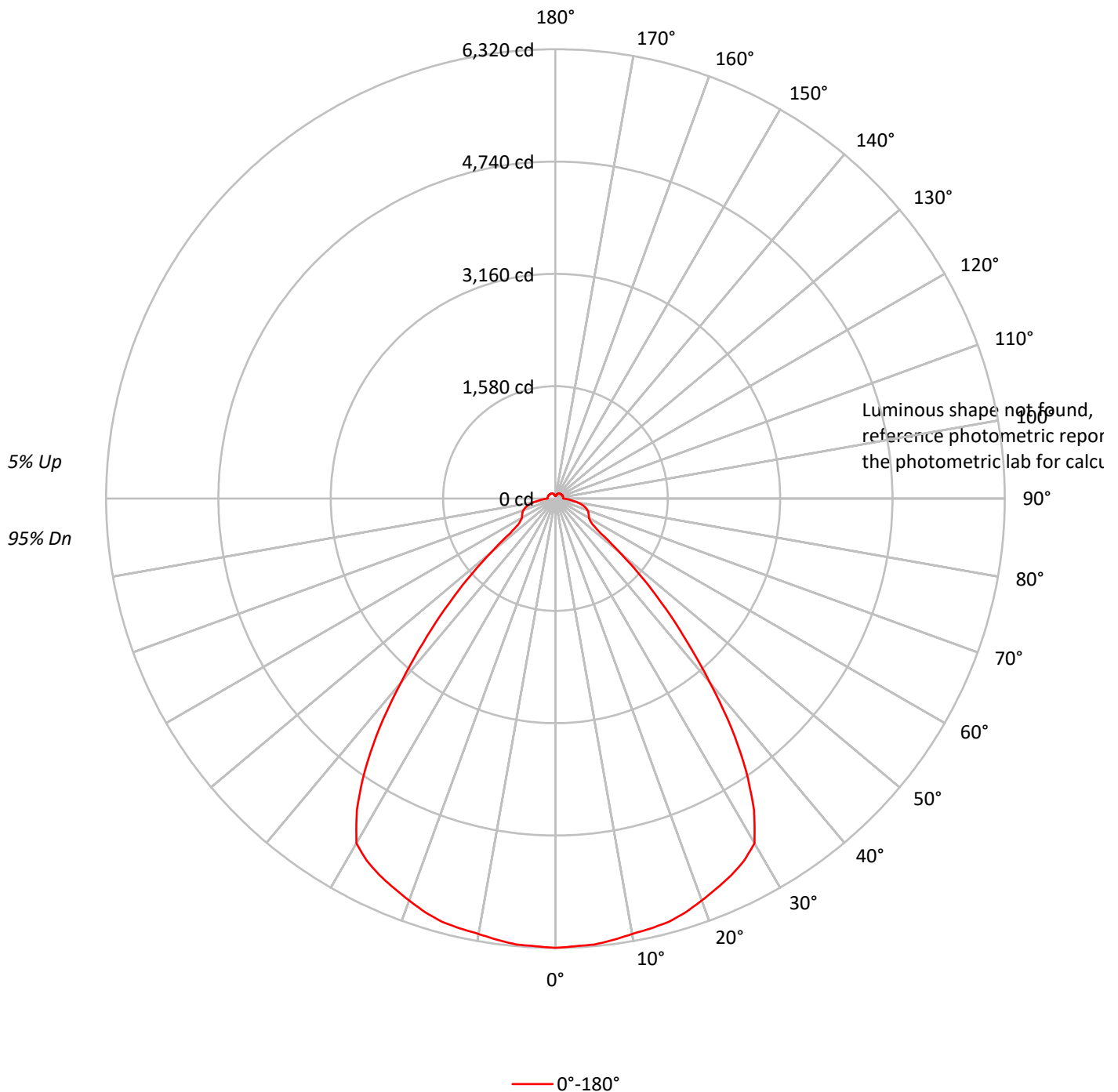
Lumens per Lamp: N/A
Luminaire Lumens: 12017.8 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 80.7
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	65	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°	598.3	5.0
10°-20°	1738.8	14.5
20°-30°	2694.8	22.4
30°-40°	2866.6	23.9
40°-50°	1702.2	14.2
50°-60°	641.7	5.3
60°-70°	510.2	4.2
70°-80°	433.0	3.6
80°-90°	225.9	1.9
90°-100°	117.5	1.0
100°-110°	115.0	1.0
110°-120°	105.2	0.9
120°-130°	90.1	0.7
130°-140°	72.3	0.6
140°-150°	53.6	0.4
150°-160°	33.6	0.3
160°-170°	15.4	0.1
170°-180°	3.7	0.0
0°-30°	5031.8	41.9
0°-40°	7898.4	65.7
0°-60°	10242.3	85.2
0°-90°	11411.4	95.0
90°-120°	337.8	2.8
90°-150°	553.7	4.6
90°-180°	606.0	5.0
0°-180°	12017.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6320	
5°	6296	598
15°	6164	1739
25°	5848	2695
35°	4675	2867
45°	2196	1702
55°	639	642
65°	514	510
75°	417	433
85°	204	190
90°	108	65
95°	107	88
105°	109	115
115°	106	105
125°	101	90
135°	93	72
145°	85	54
155°	72	34
165°	53	15
175°	35	4
180°	34	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6320.4
2.5°	6303.6
5°	6296.4
7.5°	6262.0
10°	6218.7
12.5°	6193.9
15°	6164.2
17.5°	6100.1
20°	6016.0
22.5°	5933.5
25°	5847.7
27.5°	5746.0
30°	5598.6
32.5°	5198.0
35°	4674.8
37.5°	4068.3
40°	3372.9
42.5°	2756.0
45°	2196.0
47.5°	1678.5
50°	1187.3
52.5°	795.6
55°	639.3
57.5°	581.7
60°	544.8
62.5°	529.6
65°	514.4
67.5°	500.7
70°	480.7
72.5°	453.5
75°	416.6
77.5°	370.9
80°	316.5
82.5°	259.6
85°	204.3
87.5°	153.0
90°	108.2
92.5°	106.6
95°	107.4
97.5°	108.2
100°	109.0
102.5°	109.0
105°	109.0
107.5°	108.2
110°	108.2

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	107.4
115°	105.8
117.5°	105.0
120°	103.4
122.5°	101.7
125°	100.9
127.5°	98.5
130°	96.9
132.5°	95.3
135°	92.9
137.5°	91.3
140°	89.7
142.5°	87.3
145°	84.9
147.5°	83.3
150°	80.9
152.5°	76.9
155°	72.1
157.5°	67.3
160°	63.3
162.5°	58.5
165°	52.9
167.5°	48.1
170°	43.3
172.5°	39.3
175°	35.3
177.5°	33.6
180°	33.6

(END OF REPORT)