

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: P1504512

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504512
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_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

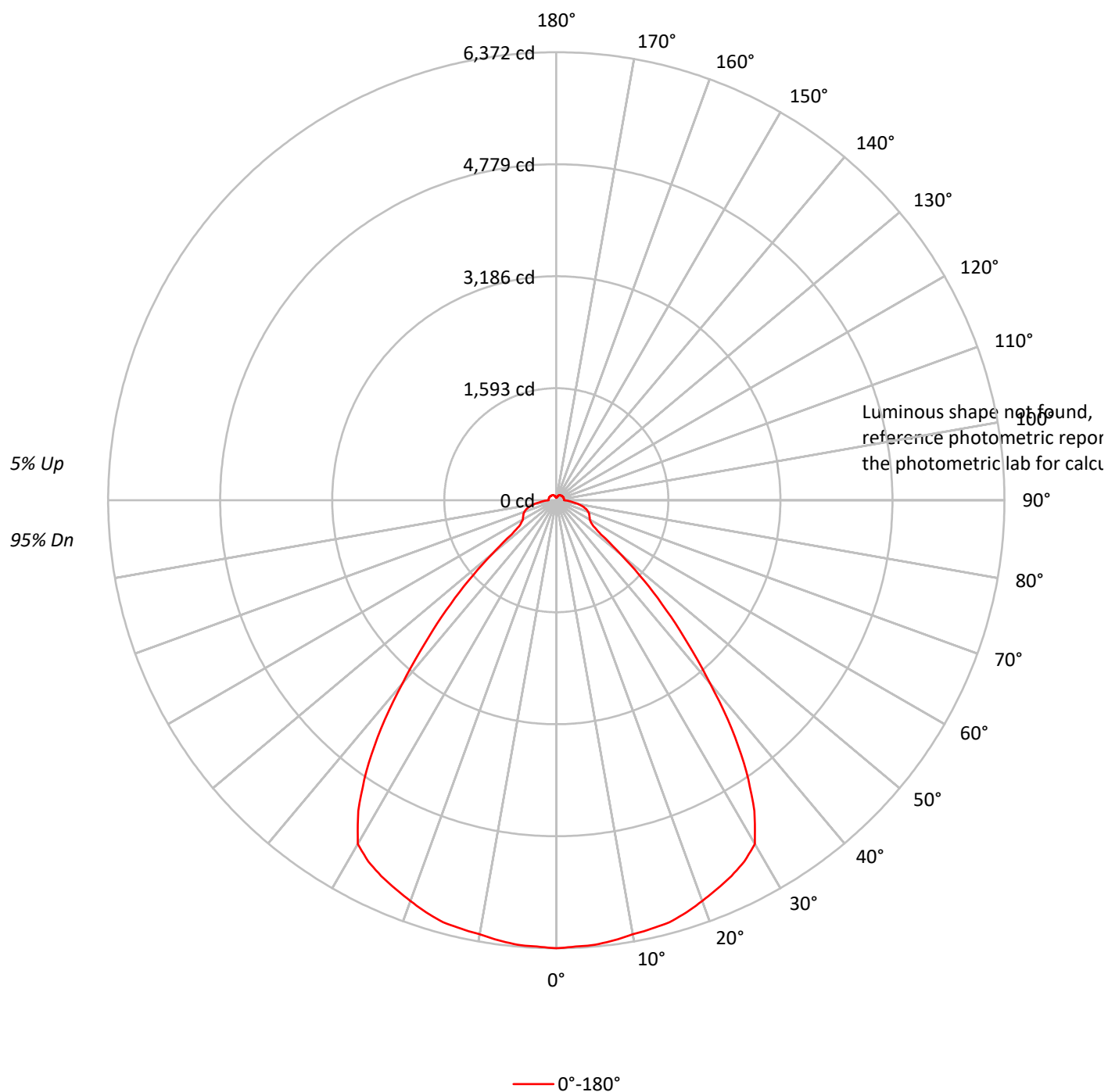
Lumens per Lamp: N/A
Luminaire Lumens: 12115.2 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Ellipsoidal Spheroid (W: 1.29' x L: 1.29' x H: 0.75')
CIE Type: Direct

Input Watts (W): 81.1
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

TEST NUMBER: P1504512

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L12_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504512

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L12_Wide_120V)

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: -

TEST NUMBER: P1504512

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L12_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.2	5.0
10°-20°	1752.9	14.5
20°-30°	2716.6	22.4
30°-40°	2889.8	23.9
40°-50°	1716.0	14.2
50°-60°	646.9	5.3
60°-70°	514.3	4.2
70°-80°	436.5	3.6
80°-90°	227.8	1.9
90°-100°	118.4	1.0
100°-110°	115.8	1.0
110°-120°	106.0	0.9
120°-130°	90.8	0.7
130°-140°	72.9	0.6
140°-150°	54.1	0.4
150°-160°	33.9	0.3
160°-170°	15.5	0.1
170°-180°	3.7	0.0
0°-30°	5072.7	41.9
0°-40°	7962.5	65.7
0°-60°	10325.5	85.2
0°-90°	11504.1	95.0
90°-120°	340.3	2.8
90°-150°	558.0	4.6
90°-180°	611.0	5.0
0°-180°	12115.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6372	
5°	6348	603
15°	6214	1753
25°	5895	2717
35°	4713	2890
45°	2214	1716
55°	644	647
65°	518	514
75°	420	437
85°	206	192
90°	109	66
95°	108	89
105°	110	116
115°	107	106
125°	102	91
135°	94	73
145°	86	54
155°	73	34
165°	53	15
175°	36	4
180°	34	

TEST NUMBER: P1504512

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L12_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	6371.7
2.5°	6354.8
5°	6347.5
7.5°	6312.8
10°	6269.2
12.5°	6244.1
15°	6214.2
17.5°	6149.6
20°	6064.8
22.5°	5981.6
25°	5895.2
27.5°	5792.6
30°	5644.0
32.5°	5240.2
35°	4712.8
37.5°	4101.4
40°	3400.3
42.5°	2778.4
45°	2213.8
47.5°	1692.1
50°	1197.0
52.5°	802.0
55°	644.5
57.5°	586.4
60°	549.2
62.5°	533.9
65°	518.5
67.5°	504.8
70°	484.6
72.5°	457.1
75°	420.0
77.5°	374.0
80°	319.0
82.5°	261.7
85°	206.0
87.5°	154.3
90°	109.0
92.5°	107.4
95°	108.2
97.5°	109.0
100°	109.8
102.5°	109.8
105°	109.8
107.5°	109.0
110°	109.0

TEST NUMBER: P1504512

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-TRWH-PS (5000K_L12_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	108.2
115°	106.6
117.5°	105.8
120°	104.2
122.5°	102.6
125°	101.8
127.5°	99.3
130°	97.7
132.5°	96.1
135°	93.7
137.5°	92.1
140°	90.5
142.5°	88.0
145°	85.6
147.5°	84.0
150°	81.6
152.5°	77.5
155°	72.7
157.5°	67.8
160°	63.8
162.5°	59.0
165°	53.3
167.5°	48.5
170°	43.6
172.5°	39.6
175°	35.5
177.5°	33.9
180°	33.9

(END OF REPORT)