

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: P1504691

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504691
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-37)
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-B-04-TRWH-PS (5000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

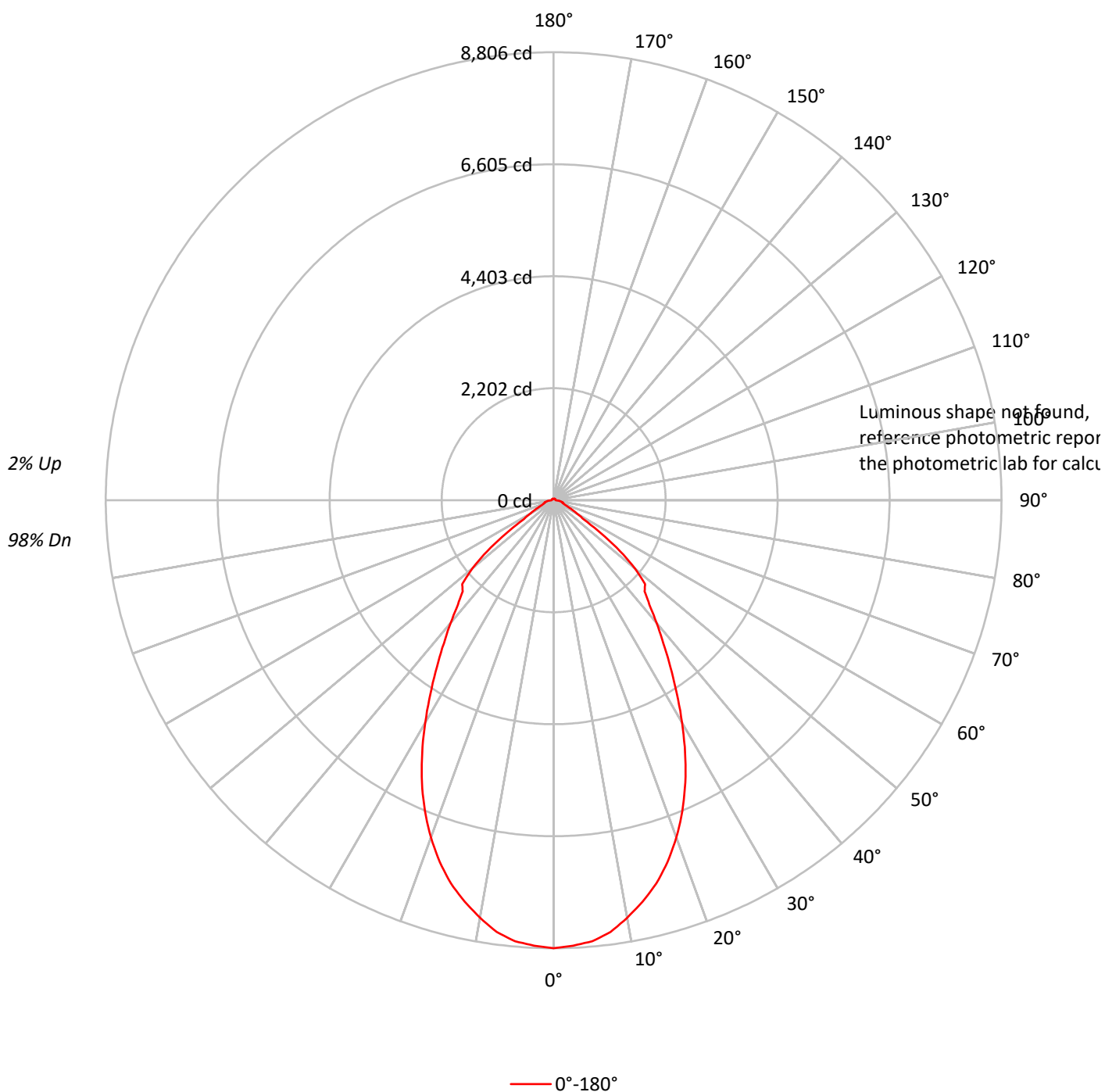
Lumens per Lamp: N/A
Luminaire Lumens: 12222.2 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

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: P1504691

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L12_Narrow_120V)

Luminous Intensity Polar Plot





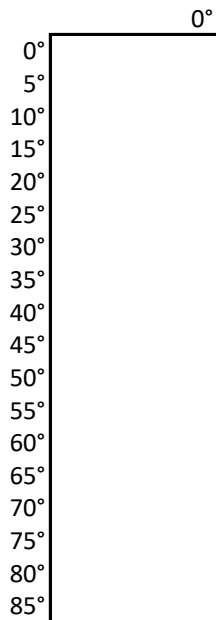
TEST NUMBER: P1504691

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L12_Narrow_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	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	105	102	108	105	102	100	101	99	96	97	95	93	93	92	90	88		
2	104	98	93	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	83	78	95	87	81	77	84	79	75	81	77	74	79	75	72	71		
4	91	81	74	69	88	80	73	68	77	72	67	75	70	66	73	69	65	63		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	67	63	59	57		
6	79	68	61	56	78	67	61	56	66	60	55	64	59	54	62	58	54	52		
7	74	63	56	51	73	62	55	51	61	55	50	59	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	40	61	50	44	39	49	43	39	48	43	39	47	42	39	37		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504691

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.9	6.7
10°-20°	2180.5	17.8
20°-30°	2795.2	22.9
30°-40°	2512.2	20.6
40°-50°	1996.7	16.3
50°-60°	1063.8	8.7
60°-70°	338.6	2.8
70°-80°	191.9	1.6
80°-90°	100.1	0.8
90°-100°	39.8	0.3
100°-110°	39.8	0.3
110°-120°	37.5	0.3
120°-130°	33.1	0.3
130°-140°	27.6	0.2
140°-150°	21.7	0.2
150°-160°	14.8	0.1
160°-170°	7.7	0.1
170°-180°	2.2	0.0
0°-30°	5794.6	47.4
0°-40°	8306.8	68.0
0°-60°	11367.2	93.0
0°-90°	11997.9	98.2
90°-120°	117.1	1.0
90°-150°	199.6	1.6
90°-180°	224.0	1.8
0°-180°	12222.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8806	
5°	8702	819
15°	7797	2180
25°	6127	2795
35°	3999	2512
45°	2530	1997
55°	1149	1064
65°	320	339
75°	183	192
85°	92	86
90°	37	24
95°	37	30
105°	38	40
115°	38	38
125°	37	33
135°	36	28
145°	35	22
155°	32	15
165°	27	8
175°	22	2
180°	22	

TEST NUMBER: P1504691

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8805.6
2.5°	8763.0
5°	8701.7
7.5°	8560.3
10°	8332.1
12.5°	8081.7
15°	7797.2
17.5°	7454.0
20°	7055.4
22.5°	6614.2
25°	6127.1
27.5°	5598.2
30°	5048.8
32.5°	4505.4
35°	3998.7
37.5°	3544.7
40°	3144.4
42.5°	2783.3
45°	2530.4
47.5°	2435.0
50°	2084.1
52.5°	1648.0
55°	1148.9
57.5°	698.4
60°	540.0
62.5°	419.9
65°	320.2
67.5°	254.7
70°	216.3
72.5°	194.2
75°	183.1
77.5°	167.8
80°	146.5
82.5°	120.9
85°	92.0
87.5°	63.0
90°	36.6
92.5°	35.8
95°	36.6
97.5°	36.6
100°	37.5
102.5°	37.5
105°	37.5
107.5°	37.5
110°	38.3

TEST NUMBER: P1504691

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (5000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.3
115°	37.5
117.5°	37.5
120°	37.5
122.5°	37.5
125°	36.6
127.5°	36.6
130°	36.6
132.5°	35.8
135°	35.8
137.5°	34.9
140°	34.9
142.5°	34.9
145°	34.9
147.5°	34.1
150°	34.1
152.5°	33.2
155°	31.5
157.5°	30.7
160°	29.8
162.5°	28.1
165°	27.3
167.5°	25.6
170°	24.7
172.5°	23.0
175°	22.1
177.5°	22.1
180°	22.1

(END OF REPORT)