

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: P1504699

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504699
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-38)
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 (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

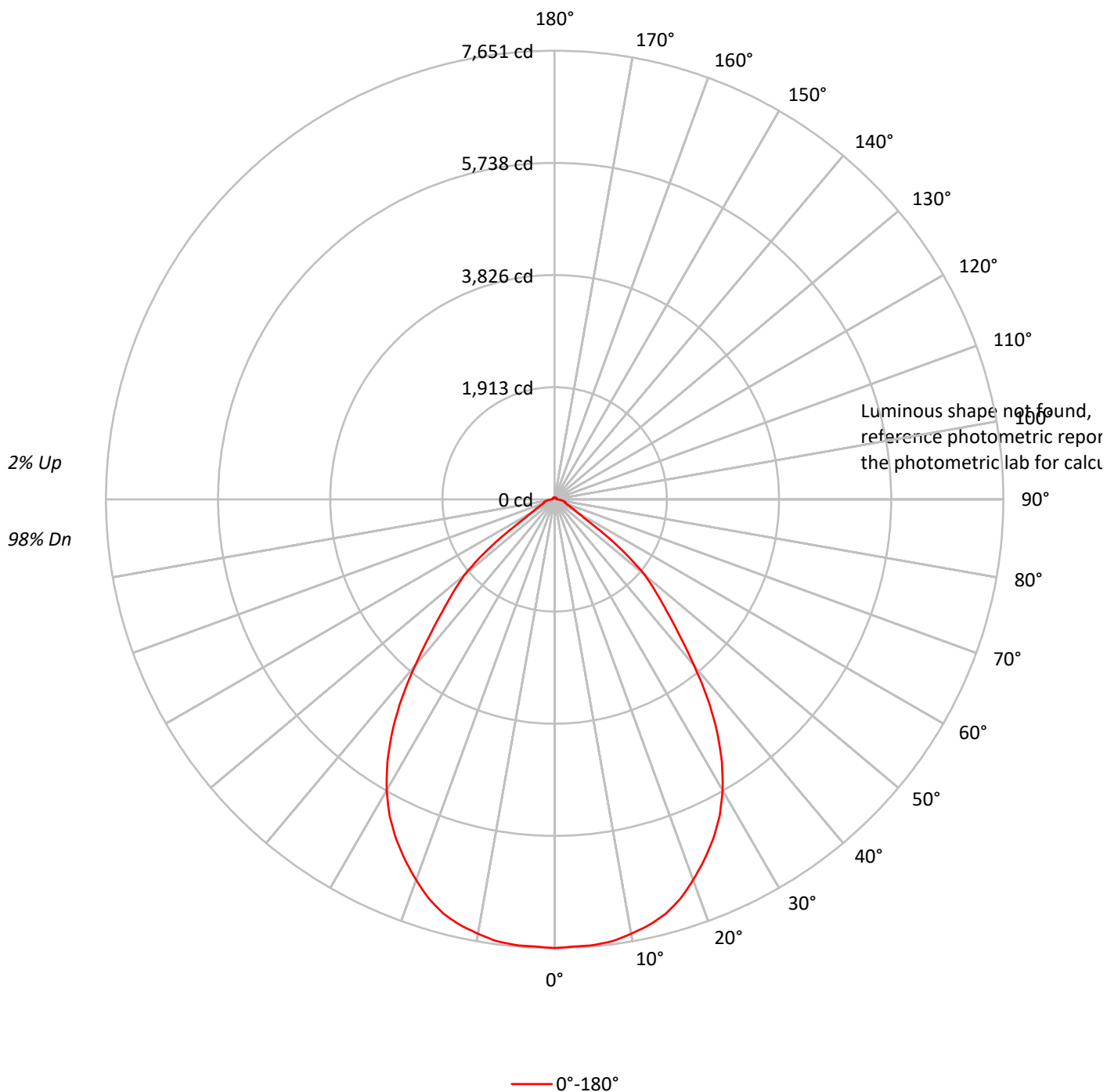
Lumens per Lamp: N/A
Luminaire Lumens: 12611.3 lumens
Efficiency: N/A
Efficacy: 151.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 83
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: P1504699

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L12_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504699

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L12_Medium_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	109	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	82	77	95	87	81	77	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	69	88	80	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	64	60	67	62	59	57		
6	79	68	61	55	77	67	60	55	65	59	54	63	58	54	62	57	53	52		
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	57	52	49	47		
8	69	58	51	46	68	57	50	46	56	50	45	55	49	45	53	48	45	43		
9	65	54	47	42	64	53	46	42	52	46	42	51	45	41	50	45	41	39		
10	62	50	43	39	60	50	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504699

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L12_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.0	5.7
10°-20°	2053.6	16.3
20°-30°	2930.0	23.2
30°-40°	2979.3	23.6
40°-50°	2123.8	16.8
50°-60°	975.1	7.7
60°-70°	305.0	2.4
70°-80°	192.1	1.5
80°-90°	102.1	0.8
90°-100°	39.9	0.3
100°-110°	40.2	0.3
110°-120°	37.7	0.3
120°-130°	33.2	0.3
130°-140°	27.8	0.2
140°-150°	21.8	0.2
150°-160°	14.8	0.1
160°-170°	7.7	0.1
170°-180°	2.2	0.0
0°-30°	5708.6	45.3
0°-40°	8688.0	68.9
0°-60°	11786.8	93.5
0°-90°	12386.1	98.2
90°-120°	117.8	0.9
90°-150°	200.6	1.6
90°-180°	225.0	1.8
0°-180°	12611.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7651	
5°	7631	725
15°	7316	2054
25°	6393	2930
35°	4823	2979
45°	2701	2124
55°	1034	975
65°	293	305
75°	184	192
85°	95	88
90°	36	24
95°	36	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: P1504699

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7651.1
2.5°	7631.6
5°	7630.8
7.5°	7596.9
10°	7521.5
12.5°	7435.9
15°	7315.6
17.5°	7136.9
20°	6905.6
22.5°	6658.2
25°	6393.0
27.5°	6088.0
30°	5729.7
32.5°	5306.1
35°	4823.2
37.5°	4286.9
40°	3696.4
42.5°	3160.1
45°	2700.9
47.5°	2346.8
50°	2008.7
52.5°	1544.5
55°	1033.6
57.5°	599.0
60°	460.9
62.5°	365.1
65°	293.1
67.5°	240.6
70°	212.6
72.5°	194.9
75°	183.8
77.5°	168.6
80°	147.4
82.5°	122.8
85°	94.9
87.5°	65.2
90°	36.4
92.5°	35.6
95°	36.4
97.5°	37.3
100°	37.3
102.5°	38.1
105°	38.1
107.5°	38.1
110°	38.1

TEST NUMBER: P1504699

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (6500K_L12_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.1
115°	38.1
117.5°	38.1
120°	37.3
122.5°	37.3
125°	37.3
127.5°	36.4
130°	36.4
132.5°	36.4
135°	35.6
137.5°	35.6
140°	35.6
142.5°	34.7
145°	34.7
147.5°	34.7
150°	33.9
152.5°	33.0
155°	32.2
157.5°	30.5
160°	29.7
162.5°	28.0
165°	27.1
167.5°	25.4
170°	23.7
172.5°	22.9
175°	22.0
177.5°	22.0
180°	22.0

(END OF REPORT)