

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: P1504682

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504682
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

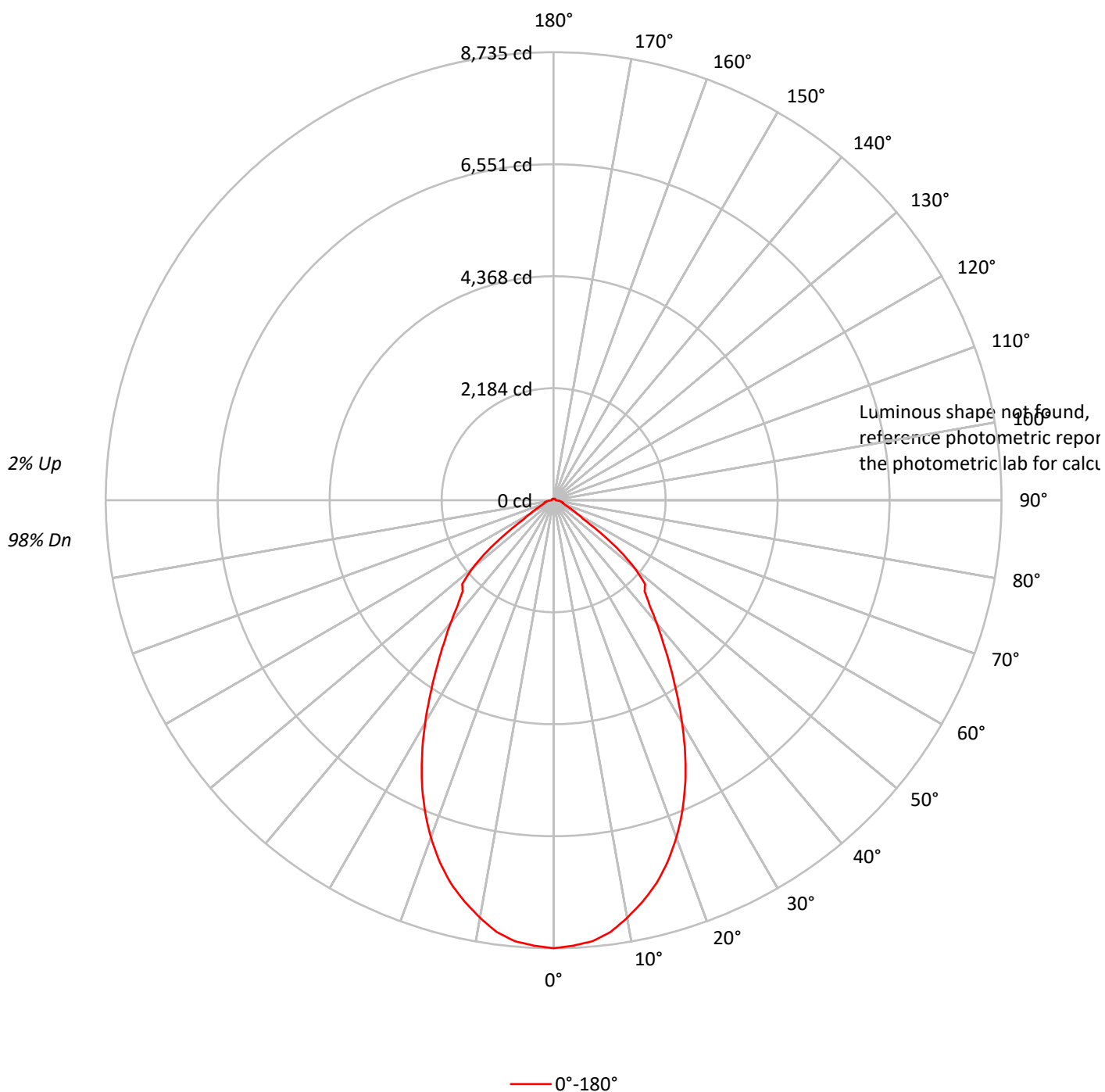
Lumens per Lamp: N/A
Luminaire Lumens: 12123.8 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.99
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1504682

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L12_Narrow_120V)

Luminous Intensity Polar Plot





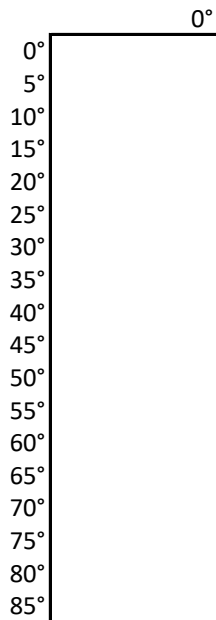
TEST NUMBER: P1504682

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_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: P1504682

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	812.3	6.7
10°-20°	2162.9	17.8
20°-30°	2772.7	22.9
30°-40°	2492.0	20.6
40°-50°	1980.6	16.3
50°-60°	1055.2	8.7
60°-70°	335.9	2.8
70°-80°	190.3	1.6
80°-90°	99.3	0.8
90°-100°	39.5	0.3
100°-110°	39.5	0.3
110°-120°	37.2	0.3
120°-130°	32.9	0.3
130°-140°	27.3	0.2
140°-150°	21.6	0.2
150°-160°	14.7	0.1
160°-170°	7.7	0.1
170°-180°	2.2	0.0
0°-30°	5747.9	47.4
0°-40°	8239.9	68.0
0°-60°	11275.8	93.0
0°-90°	11901.3	98.2
90°-120°	116.2	1.0
90°-150°	198.0	1.6
90°-180°	222.0	1.8
0°-180°	12123.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8735	
5°	8632	812
15°	7734	2163
25°	6078	2773
35°	3966	2492
45°	2510	1981
55°	1140	1055
65°	318	336
75°	182	190
85°	91	86
90°	36	23
95°	36	30
105°	37	39
115°	37	37
125°	36	33
135°	36	27
145°	35	22
155°	31	15
165°	27	8
175°	22	2
180°	22	

TEST NUMBER: P1504682

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8734.7
2.5°	8692.5
5°	8631.7
7.5°	8491.4
10°	8265.0
12.5°	8016.6
15°	7734.4
17.5°	7394.0
20°	6998.6
22.5°	6561.0
25°	6077.7
27.5°	5553.1
30°	5008.2
32.5°	4469.2
35°	3966.5
37.5°	3516.2
40°	3119.1
42.5°	2760.9
45°	2510.0
47.5°	2415.4
50°	2067.3
52.5°	1634.8
55°	1139.7
57.5°	692.8
60°	535.6
62.5°	416.5
65°	317.7
67.5°	252.6
70°	214.6
72.5°	192.6
75°	181.6
77.5°	166.4
80°	145.3
82.5°	120.0
85°	91.2
87.5°	62.5
90°	36.3
92.5°	35.5
95°	36.3
97.5°	36.3
100°	37.2
102.5°	37.2
105°	37.2
107.5°	37.2
110°	38.0

TEST NUMBER: P1504682

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	38.0
115°	37.2
117.5°	37.2
120°	37.2
122.5°	37.2
125°	36.3
127.5°	36.3
130°	36.3
132.5°	35.5
135°	35.5
137.5°	34.6
140°	34.6
142.5°	34.6
145°	34.6
147.5°	33.8
150°	33.8
152.5°	32.9
155°	31.3
157.5°	30.4
160°	29.6
162.5°	27.9
165°	27.0
167.5°	25.3
170°	24.5
172.5°	22.8
175°	22.0
177.5°	22.0
180°	22.0

(END OF REPORT)