

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: P1504330

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504330
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-26)
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-04-TRWH-PS (5000K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

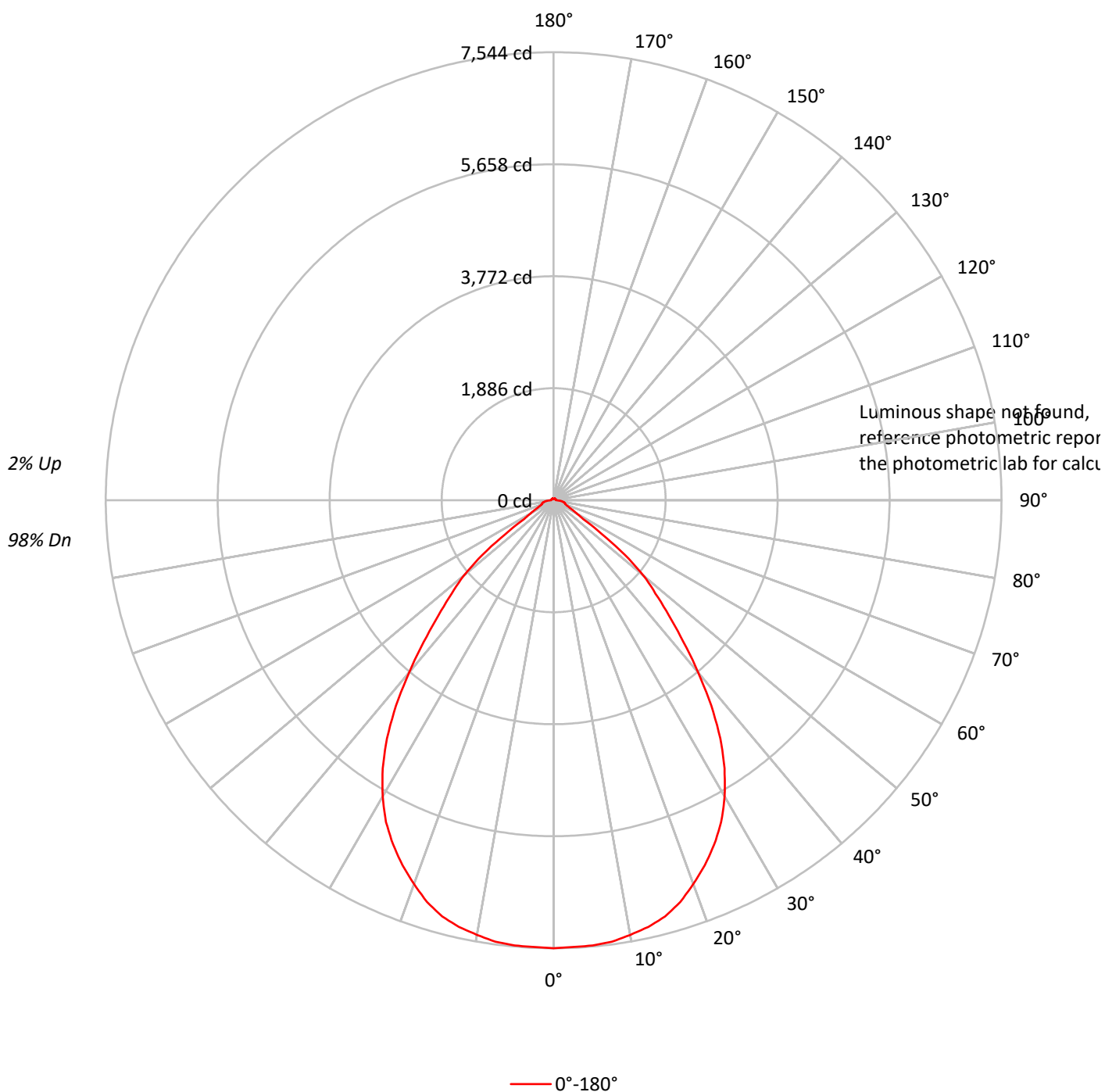
Lumens per Lamp: N/A
Luminaire Lumens: 12662.5 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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: P1504330

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504330

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_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	104	102	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	85	83	81	79		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	68	88	79	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	63	59	67	62	59	57		
6	79	68	60	55	77	67	60	55	65	59	54	63	58	54	62	57	53	51		
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	57	52	48	47		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504330

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.5	5.7
10°-20°	2037.4	16.1
20°-30°	2933.4	23.2
30°-40°	3019.5	23.8
40°-50°	2146.4	17.0
50°-60°	952.4	7.5
60°-70°	308.5	2.4
70°-80°	206.4	1.6
80°-90°	117.3	0.9
90°-100°	42.3	0.3
100°-110°	41.5	0.3
110°-120°	38.3	0.3
120°-130°	33.1	0.3
130°-140°	27.2	0.2
140°-150°	21.4	0.2
150°-160°	13.9	0.1
160°-170°	6.4	0.1
170°-180°	1.6	0.0
0°-30°	5686.4	44.9
0°-40°	8705.9	68.8
0°-60°	11804.7	93.2
0°-90°	12436.9	98.2
90°-120°	122.0	1.0
90°-150°	203.7	1.6
90°-180°	226.0	1.8
0°-180°	12662.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7544	
5°	7526	716
15°	7256	2037
25°	6398	2933
35°	4893	3020
45°	2742	2146
55°	996	952
65°	297	309
75°	197	206
85°	111	101
90°	39	27
95°	38	32
105°	39	41
115°	38	38
125°	37	33
135°	35	27
145°	34	21
155°	30	14
165°	22	6
175°	16	2
180°	15	

TEST NUMBER: P1504330

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7544.3
2.5°	7528.9
5°	7526.4
7.5°	7497.4
10°	7431.8
12.5°	7359.4
15°	7255.5
17.5°	7092.0
20°	6877.4
22.5°	6650.8
25°	6397.9
27.5°	6111.7
30°	5760.0
32.5°	5356.3
35°	4893.0
37.5°	4360.6
40°	3782.4
42.5°	3235.6
45°	2741.6
47.5°	2325.1
50°	1982.7
52.5°	1510.0
55°	996.5
57.5°	585.1
60°	454.0
62.5°	366.2
65°	297.2
67.5°	247.8
70°	222.3
72.5°	206.1
75°	196.7
77.5°	184.0
80°	166.1
82.5°	140.5
85°	110.7
87.5°	76.7
90°	39.2
92.5°	38.3
95°	38.3
97.5°	39.2
100°	39.2
102.5°	39.2
105°	39.2
107.5°	39.2
110°	39.2

TEST NUMBER: P1504330

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (5000K_L12_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	39.2
115°	38.3
117.5°	38.3
120°	37.5
122.5°	37.5
125°	36.6
127.5°	36.6
130°	35.8
132.5°	35.8
135°	34.9
137.5°	34.9
140°	34.1
142.5°	34.1
145°	34.1
147.5°	34.1
150°	33.2
152.5°	32.4
155°	29.8
157.5°	27.3
160°	26.4
162.5°	23.8
165°	22.1
167.5°	20.4
170°	18.7
172.5°	17.0
175°	16.2
177.5°	15.3
180°	15.3

(END OF REPORT)