

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: P1504687

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504687
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 (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

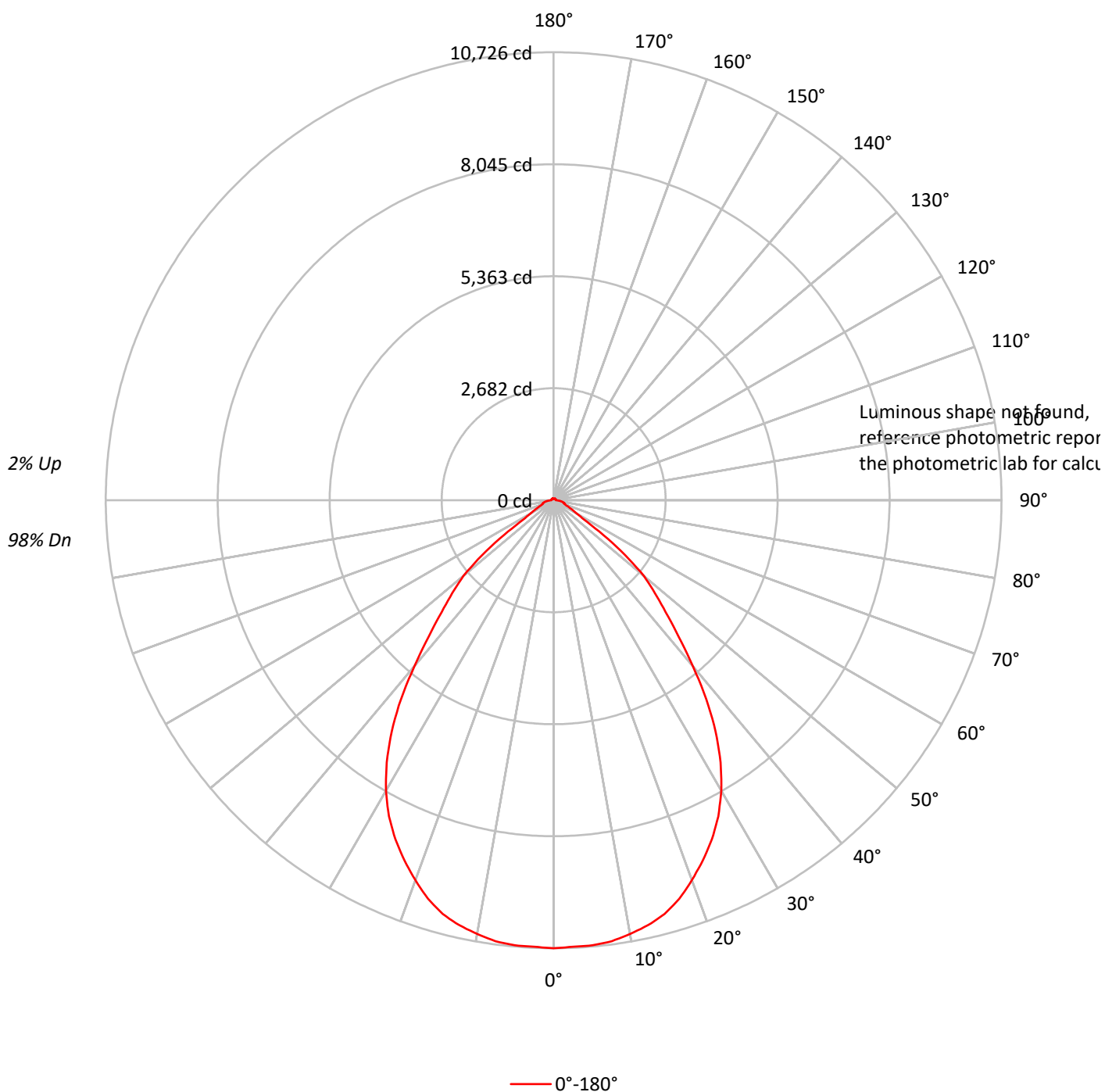
Lumens per Lamp: N/A
Luminaire Lumens: 17679.5 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Ellipsoidal Spheroid (W: 1.26' x L: 1.26' x H: 0.58')
CIE Type: Direct

Input Watts (W): 119.3
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: P1504687

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L18_Medium_120V)

Luminous Intensity Polar Plot



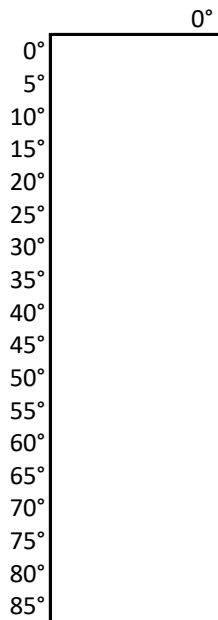
TEST NUMBER: P1504687

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L18_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: P1504687

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L18_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1016.3	5.7
10°-20°	2878.8	16.3
20°-30°	4107.5	23.2
30°-40°	4176.6	23.6
40°-50°	2977.3	16.8
50°-60°	1366.9	7.7
60°-70°	427.6	2.4
70°-80°	269.3	1.5
80°-90°	143.2	0.8
90°-100°	55.9	0.3
100°-110°	56.3	0.3
110°-120°	52.9	0.3
120°-130°	46.5	0.3
130°-140°	39.0	0.2
140°-150°	30.6	0.2
150°-160°	20.8	0.1
160°-170°	10.8	0.1
170°-180°	3.0	0.0
0°-30°	8002.7	45.3
0°-40°	12179.3	68.9
0°-60°	16523.5	93.5
0°-90°	17363.6	98.2
90°-120°	165.1	0.9
90°-150°	281.3	1.6
90°-180°	316.0	1.8
0°-180°	17679.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10726	
5°	10697	###
15°	10256	2879
25°	8962	4108
35°	6761	4177
45°	3786	2977
55°	1449	1367
65°	411	428
75°	258	269
85°	133	124
90°	51	33
95°	51	42
105°	53	56
115°	53	53
125°	52	47
135°	50	39
145°	49	31
155°	45	21
165°	38	11
175°	31	3
180°	31	

TEST NUMBER: P1504687

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L18_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	10725.9
2.5°	10698.5
5°	10697.4
7.5°	10649.9
10°	10544.2
12.5°	10424.2
15°	10255.5
17.5°	10004.9
20°	9680.7
22.5°	9333.9
25°	8962.2
27.5°	8534.6
30°	8032.2
32.5°	7438.4
35°	6761.4
37.5°	6009.6
40°	5181.8
42.5°	4430.0
45°	3786.3
47.5°	3289.9
50°	2816.0
52.5°	2165.1
55°	1449.0
57.5°	839.7
60°	646.1
62.5°	511.9
65°	410.9
67.5°	337.3
70°	298.1
72.5°	273.2
75°	257.7
77.5°	236.3
80°	206.7
82.5°	172.2
85°	133.0
87.5°	91.5
90°	51.1
92.5°	49.9
95°	51.1
97.5°	52.3
100°	52.3
102.5°	53.4
105°	53.4
107.5°	53.4
110°	53.4

TEST NUMBER: P1504687

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-TRWH-PS (4000K_L18_Medium_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	53.4
115°	53.4
117.5°	53.4
120°	52.3
122.5°	52.3
125°	52.3
127.5°	51.1
130°	51.1
132.5°	51.1
135°	49.9
137.5°	49.9
140°	49.9
142.5°	48.7
145°	48.7
147.5°	48.7
150°	47.5
152.5°	46.3
155°	45.1
157.5°	42.8
160°	41.6
162.5°	39.2
165°	38.0
167.5°	35.6
170°	33.3
172.5°	32.1
175°	30.9
177.5°	30.9
180°	30.9

(END OF REPORT)