

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: P1504311

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504311
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-5)
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 (3000K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

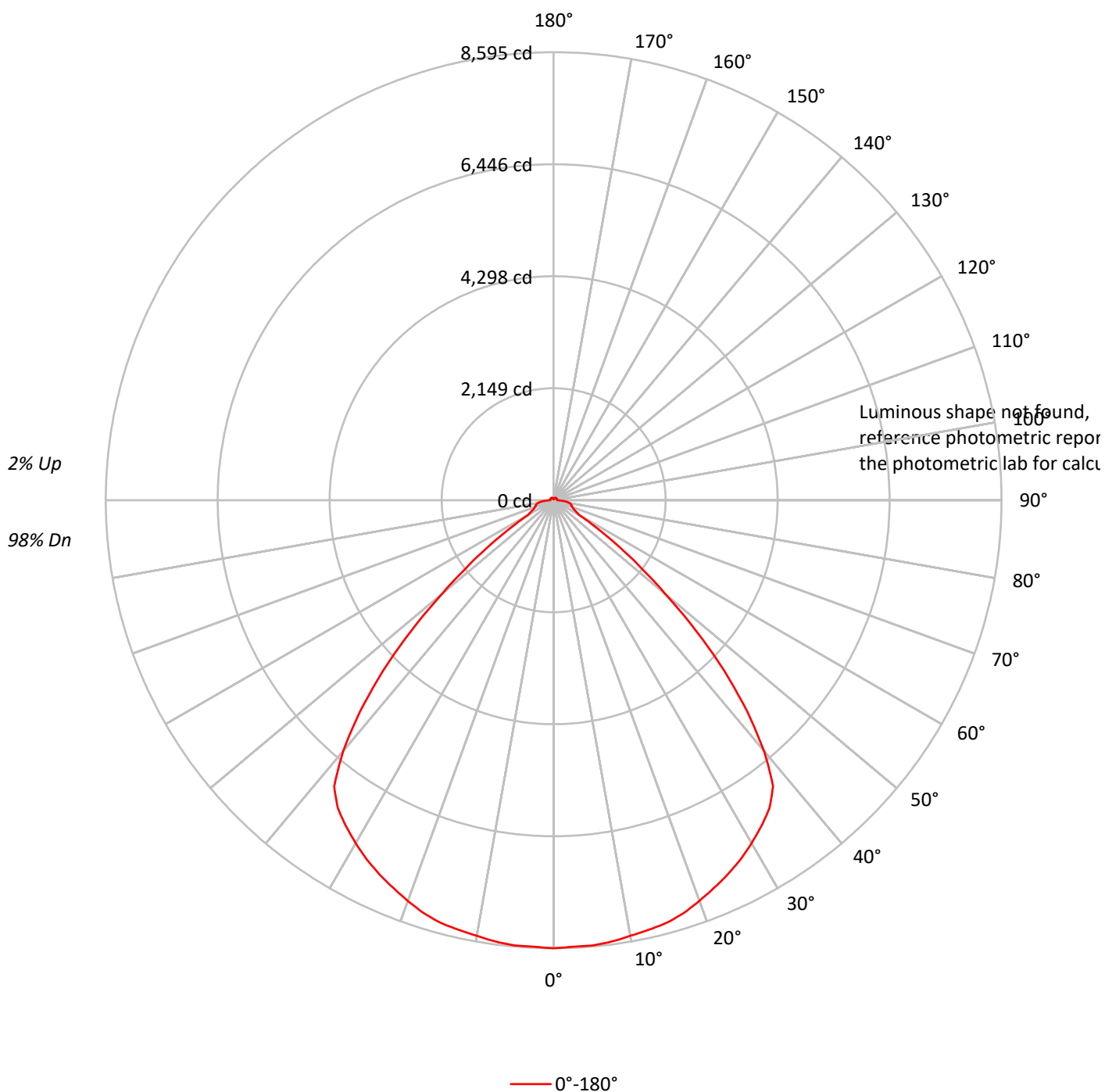
Lumens per Lamp: N/A
Luminaire Lumens: 17585.8 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.31
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 122.9
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: P1504311

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L18_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504311

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L18_Wide_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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100						98		
1	111	107	104	101	108	104	101	99	100	97	95	96	94	92	92	90	89						87		
2	103	96	91	86	100	94	89	85	91	87	83	87	84	81	84	81	79						77		
3	96	87	81	75	93	85	79	74	82	77	73	79	75	71	77	73	70						68		
4	89	79	72	66	87	78	71	66	75	69	65	73	68	64	70	66	63						61		
5	83	72	64	59	81	71	64	58	68	62	58	66	61	57	64	60	56						54		
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	59	54	50						49		
7	72	60	53	47	70	59	52	47	58	51	46	56	50	46	55	50	46						44		
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	45	41						40		
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38						36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35						33		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504311

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	815.4	4.6
10°-20°	2367.8	13.5
20°-30°	3651.2	20.8
30°-40°	4459.9	25.4
40°-50°	3519.2	20.0
50°-60°	1354.8	7.7
60°-70°	449.6	2.6
70°-80°	366.2	2.1
80°-90°	217.0	1.2
90°-100°	73.2	0.4
100°-110°	71.9	0.4
110°-120°	65.8	0.4
120°-130°	56.8	0.3
130°-140°	46.3	0.3
140°-150°	35.6	0.2
150°-160°	22.7	0.1
160°-170°	10.0	0.1
170°-180°	2.4	0.0
0°-30°	6834.4	38.9
0°-40°	11294.2	64.2
0°-60°	16168.3	91.9
0°-90°	17201.1	97.8
90°-120°	211.0	1.2
90°-150°	349.6	2.0
90°-180°	385.0	2.2
0°-180°	17585.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8595	
5°	8573	815
15°	8394	2368
25°	7915	3651
35°	7217	4460
45°	4631	3519
55°	1450	1355
65°	444	450
75°	349	366
85°	209	189
90°	67	46
95°	67	55
105°	68	72
115°	66	66
125°	63	57
135°	60	46
145°	56	36
155°	48	23
165°	34	10
175°	22	2
180°	21	

TEST NUMBER: P1504311

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8594.6
2.5°	8573.2
5°	8573.2
7.5°	8540.7
10°	8484.5
12.5°	8440.7
15°	8393.5
17.5°	8304.7
20°	8180.0
22.5°	8047.5
25°	7914.9
27.5°	7768.8
30°	7596.9
32.5°	7416.1
35°	7217.2
37.5°	6917.2
40°	6282.5
42.5°	5498.3
45°	4631.0
47.5°	3700.7
50°	2796.3
52.5°	2063.8
55°	1450.4
57.5°	928.0
60°	571.8
62.5°	495.5
65°	443.8
67.5°	401.1
70°	380.9
72.5°	362.9
75°	349.4
77.5°	331.4
80°	303.3
82.5°	264.0
85°	209.0
87.5°	138.2
90°	67.4
92.5°	66.3
95°	67.4
97.5°	67.4
100°	67.4
102.5°	68.5
105°	68.5
107.5°	67.4
110°	67.4

TEST NUMBER: P1504311

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (3000K_L18_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	67.4
115°	66.3
117.5°	65.2
120°	65.2
122.5°	64.0
125°	62.9
127.5°	62.9
130°	61.8
132.5°	60.7
135°	59.5
137.5°	58.4
140°	58.4
142.5°	57.3
145°	56.2
147.5°	56.2
150°	55.1
152.5°	52.8
155°	48.3
157.5°	44.9
160°	41.6
162.5°	38.2
165°	33.7
167.5°	31.5
170°	28.1
172.5°	25.8
175°	22.5
177.5°	21.3
180°	21.3

(END OF REPORT)