

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: P1504240

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504240
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-17)
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-BLAK-PS (5000K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

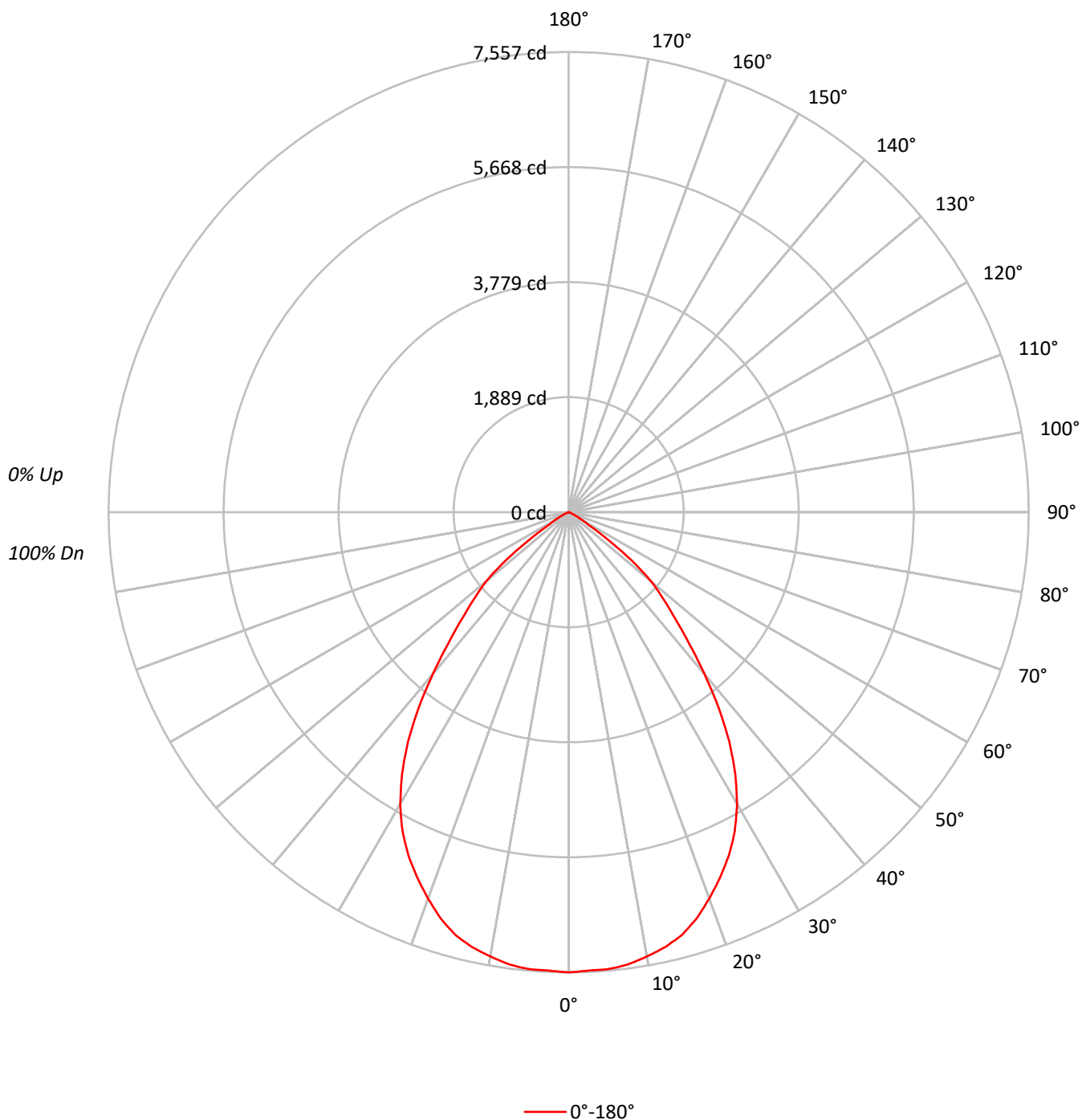
Lumens per Lamp: N/A
Luminaire Lumens: 11239.8 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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: P1504240

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

Luminous Intensity Polar Plot





TEST NUMBER: P1504240

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-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	111	111	111	106	106	106	102	102	102	100		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	46		
9	68	56	50	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43		
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69017
5°	69054
10°	68708
15°	67966
20°	65616
25°	62712
30°	58345
35°	51305
40°	41327
45°	31923
50°	25242
55°	12313
60°	4495
65°	1895
70°	545
75°	272
80°	316
85°	356

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31923 cd/sqm

TEST NUMBER: P1504240

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.1	6.4
10°-20°	2015.9	17.9
20°-30°	2849.9	25.4
30°-40°	2838.5	25.3
40°-50°	1945.0	17.3
50°-60°	759.6	6.8
60°-70°	102.4	0.9
70°-80°	9.8	0.1
80°-90°	3.6	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5580.9	49.7
0°-40°	8419.3	74.9
0°-60°	11124.0	99.0
0°-90°	11239.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11239.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7557	
5°	7532	715
15°	7188	2016
25°	6223	2850
35°	4602	2838
45°	2472	1945
55°	773	760
65°	88	102
75°	8	10
85°	3	4
90°	0	

TEST NUMBER: P1504240

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

CANDELA DISTRIBUTION (FULL):

	0°
0°	7557.0
2.5°	7534.9
5°	7532.3
7.5°	7492.3
10°	7408.8
12.5°	7316.9
15°	7188.3
17.5°	6994.1
20°	6751.3
22.5°	6495.0
25°	6223.3
27.5°	5908.2
30°	5532.6
32.5°	5091.4
35°	4601.7
37.5°	4043.0
40°	3466.4
42.5°	2934.9
45°	2471.6
47.5°	2109.6
50°	1776.6
52.5°	1298.0
55°	773.3
57.5°	367.9
60°	246.1
62.5°	155.0
65°	87.7
67.5°	42.6
70°	20.4
72.5°	9.4
75°	7.7
77.5°	6.8
80°	6.0
82.5°	5.1
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)