

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: P1504393

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504393
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-41)
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-06-BLAK-PS (3000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

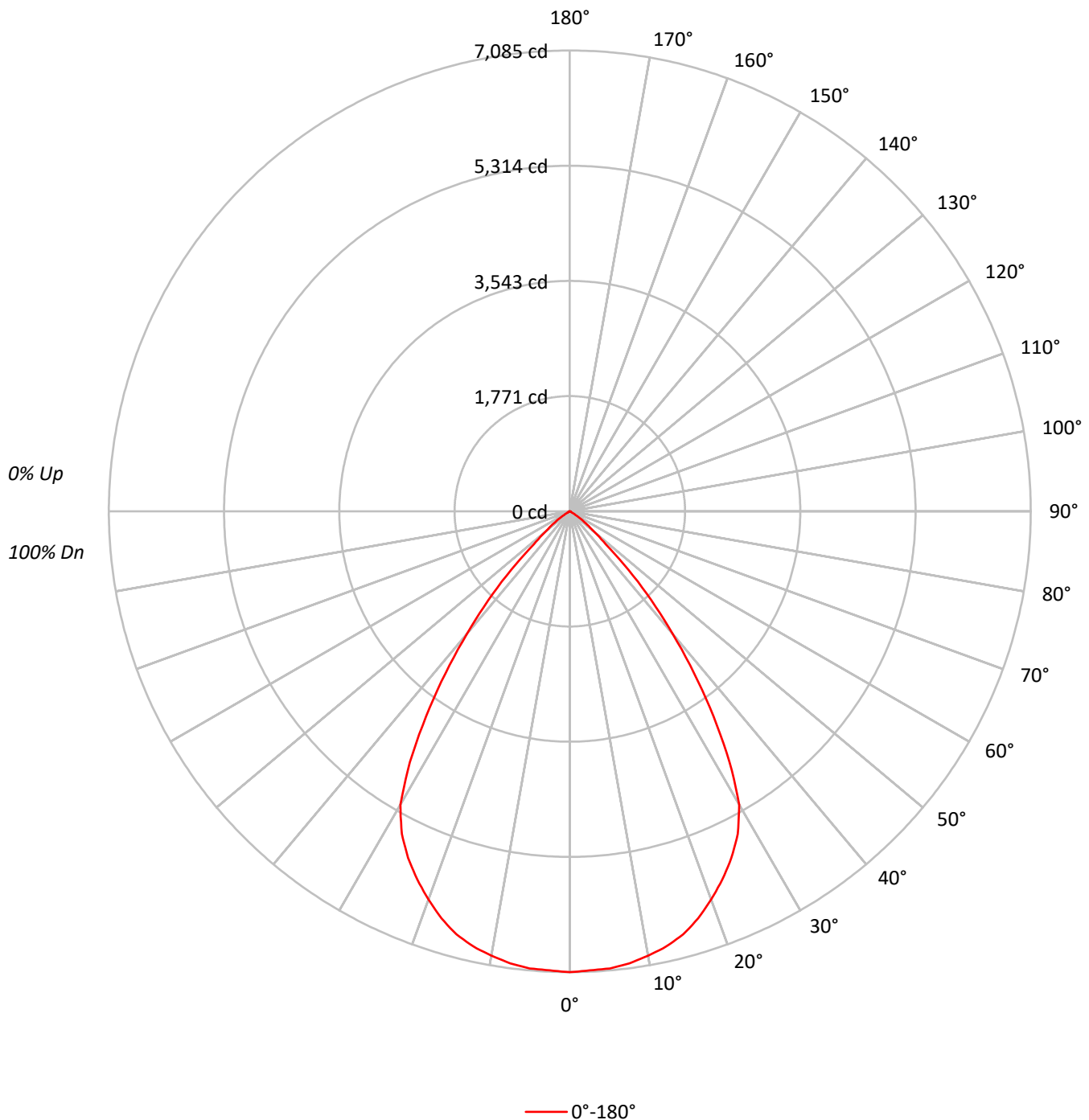
Lumens per Lamp: N/A
Luminaire Lumens: 8891.5 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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: P1504393

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_L12_Medium_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504393

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93							
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85							
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78							
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71							
5	90	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66							
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60							
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56							
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	56	53	52							
9	71	61	54	50	70	60	54	50	59	54	50	58	53	49	57	53	49	48							
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58199
5°	58174
10°	57852
15°	57273
20°	55512
25°	53280
30°	49391
35°	38597
40°	26345
45°	14770
50°	6351
55°	3008
60°	733
65°	362
70°	408
75°	438
80°	459
85°	462

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14770 cd/sqm

TEST NUMBER: P1504393

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_L12_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.6	7.5
10°-20°	1890.2	21.3
20°-30°	2689.8	30.3
30°-40°	2382.9	26.8
40°-50°	1013.9	11.4
50°-60°	202.0	2.3
60°-70°	23.2	0.3
70°-80°	14.5	0.2
80°-90°	5.5	0.1
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°	5249.6	59.0
0°-40°	7632.5	85.8
0°-60°	8848.3	99.5
0°-90°	8891.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8891.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7085	
5°	7055	670
15°	6735	1890
25°	5878	2690
35°	3849	2383
45°	1271	1014
55°	210	202
65°	19	23
75°	14	14
85°	5	6
90°	0	

TEST NUMBER: P1504393

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7084.9
2.5°	7063.8
5°	7054.9
7.5°	7011.1
10°	6935.7
12.5°	6853.0
15°	6734.6
17.5°	6561.1
20°	6350.3
22.5°	6127.3
25°	5878.4
27.5°	5590.6
30°	5207.1
32.5°	4572.2
35°	3848.9
37.5°	3137.9
40°	2456.8
42.5°	1851.9
45°	1271.4
47.5°	749.2
50°	497.0
52.5°	334.1
55°	210.0
57.5°	103.0
60°	44.6
62.5°	26.8
65°	18.6
67.5°	17.8
70°	17.0
72.5°	15.4
75°	13.8
77.5°	12.2
80°	9.7
82.5°	8.1
85°	4.9
87.5°	2.4
90°	0.0

(END OF REPORT)