

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: P1504601

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504601
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-28)
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-BLAK-PS (5000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

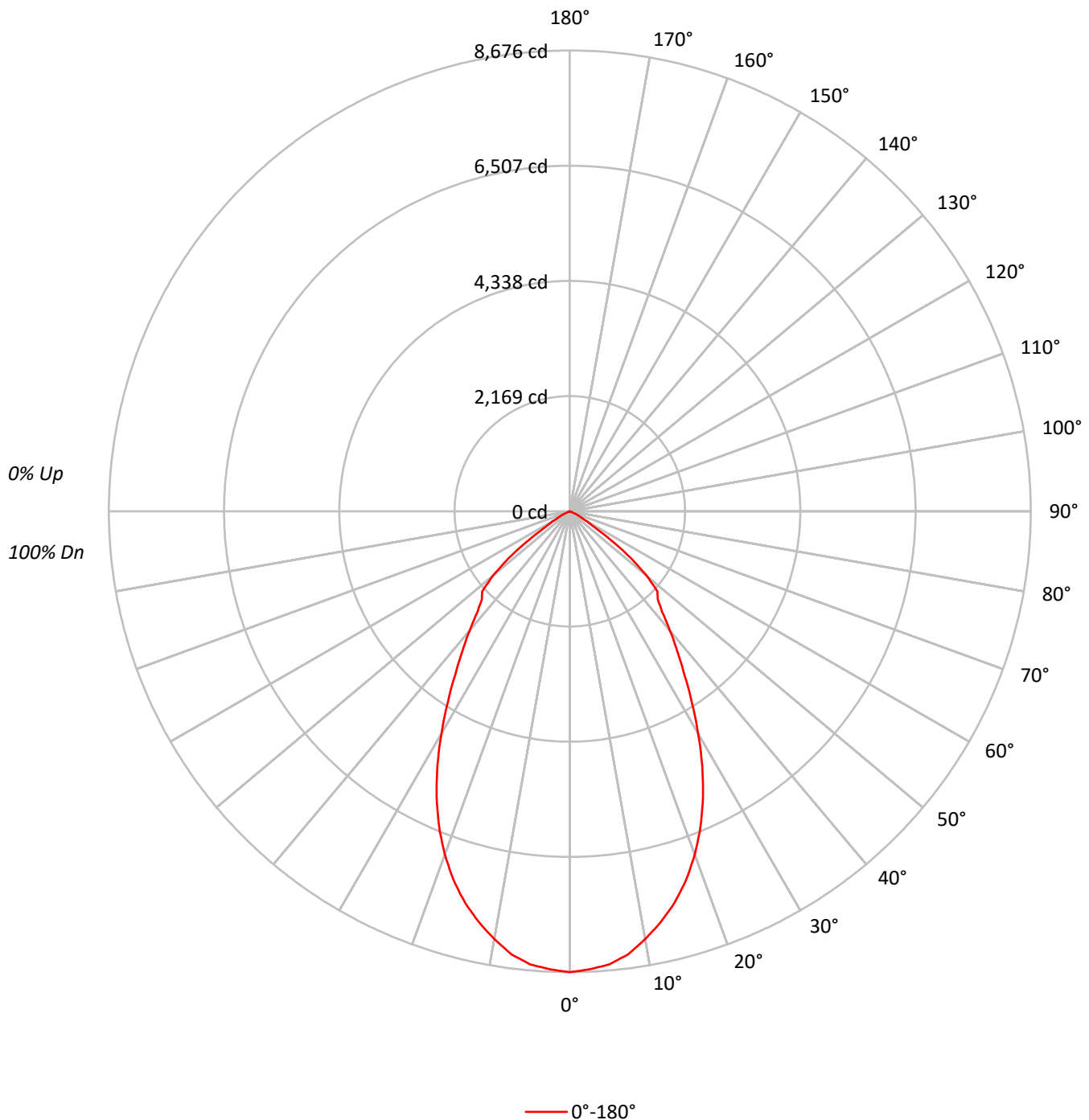
Lumens per Lamp: N/A
Luminaire Lumens: 10888.6 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

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: P1504601

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L12_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504601

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L12_Narrow_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10				0
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	77	72	80	75	71	78	74	70	76	73	69	68			
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61			
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			
8	72	61	54	50	71	61	54	49	59	53	49	58	53	49	57	52	49	47			
9	68	57	50	46	67	57	50	46	56	50	45	55	49	45	54	49	45	44			
10	65	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75096
5°	74384
10°	71860
15°	68320
20°	63323
25°	56636
30°	48281
35°	39785
40°	33114
45°	28606
50°	25413
55°	14266
60°	5794
65°	2441
70°	648
75°	258
80°	299
85°	258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 28665 cd/sqm

TEST NUMBER: P1504601

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L12_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	805.0	7.4
10°-20°	2132.0	19.6
20°-30°	2703.8	24.8
30°-40°	2371.0	21.8
40°-50°	1840.4	16.9
50°-60°	882.1	8.1
60°-70°	140.4	1.3
70°-80°	10.7	0.1
80°-90°	3.2	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°	5640.8	51.8
0°-40°	8011.8	73.6
0°-60°	10734.4	98.6
0°-90°	10888.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10888.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8676	
5°	8561	805
15°	7624	2132
25°	5930	2704
35°	3765	2371
45°	2337	1840
55°	945	882
65°	119	140
75°	8	11
85°	3	3
90°	0	

TEST NUMBER: P1504601

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L12_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	8676.2
2.5°	8629.3
5°	8561.2
7.5°	8411.3
10°	8176.2
12.5°	7918.2
15°	7624.3
17.5°	7279.4
20°	6874.8
22.5°	6428.6
25°	5930.3
27.5°	5394.6
30°	4830.8
32.5°	4278.0
35°	3765.3
37.5°	3321.6
40°	2930.7
42.5°	2571.3
45°	2337.0
47.5°	2237.4
50°	1887.3
52.5°	1452.1
55°	945.4
57.5°	489.7
60°	334.7
62.5°	215.5
65°	119.2
67.5°	58.8
70°	25.6
72.5°	10.2
75°	7.7
77.5°	6.8
80°	6.0
82.5°	4.3
85°	2.6
87.5°	1.7
90°	0.0

(END OF REPORT)