

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: P1504421

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504421
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-40)
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 (5000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

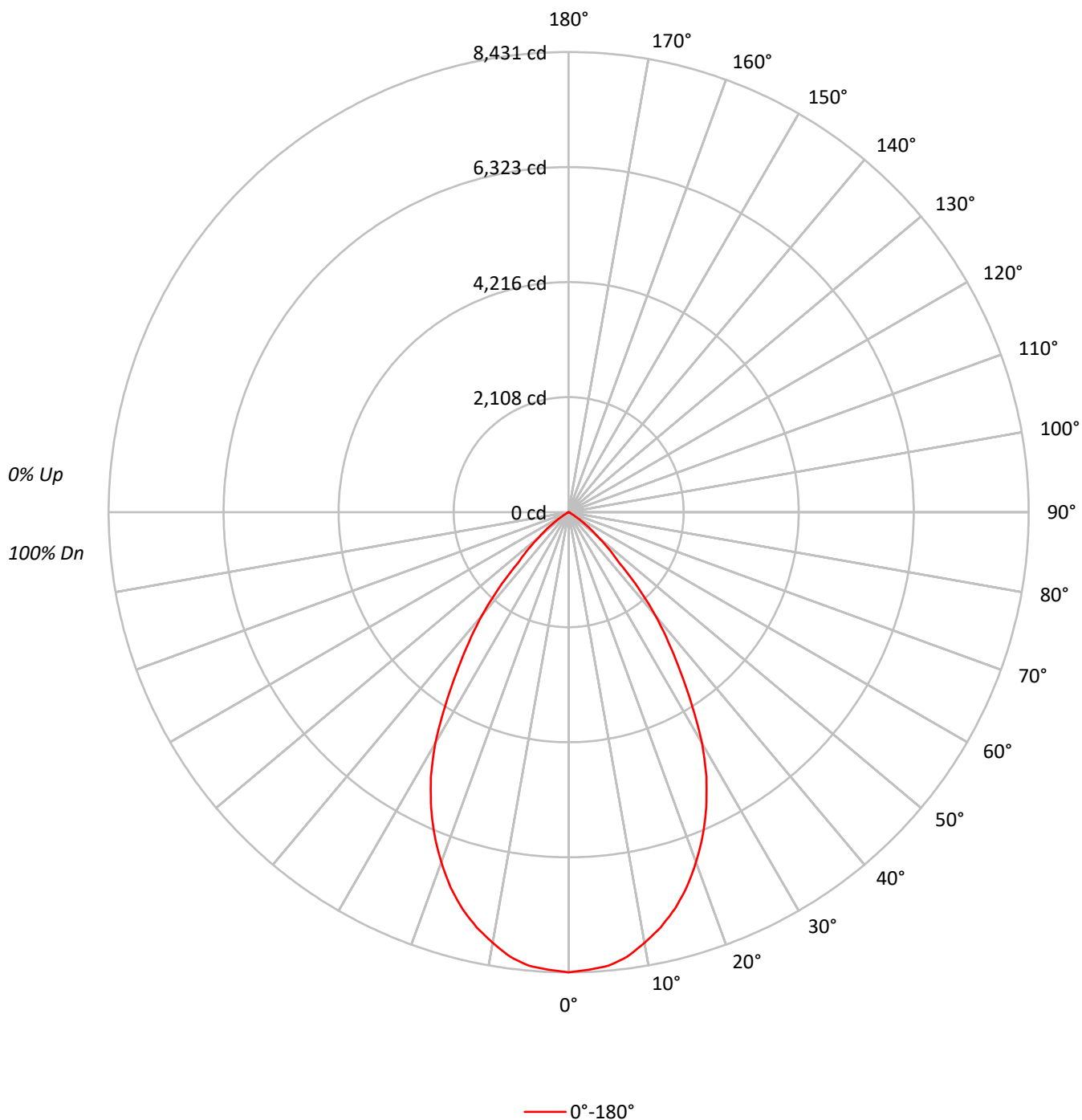
Lumens per Lamp: N/A
Luminaire Lumens: 9282.3 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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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	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85			
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56			
8	76	65	59	55	74	65	59	54	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49			
10	68	58	51	47	67	57	51	47	56	51	47	56	50	47	55	50	47	45			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69255
5°	68782
10°	66835
15°	63977
20°	59650
25°	54075
30°	46403
35°	35820
40°	26476
45°	15287
50°	8740
55°	4208
60°	910
65°	330
70°	367
75°	406
80°	402
85°	405

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15287 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	785.8	8.5
10°-20°	2104.1	22.7
20°-30°	2717.3	29.3
30°-40°	2242.6	24.2
40°-50°	1106.0	11.9
50°-60°	284.6	3.1
60°-70°	23.8	0.3
70°-80°	13.3	0.1
80°-90°	4.9	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°	5607.2	60.4
0°-40°	7849.8	84.6
0°-60°	9240.4	99.5
0°-90°	9282.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9282.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8431	
5°	8341	786
15°	7523	2104
25°	5966	2717
35°	3572	2243
45°	1316	1106
55°	294	285
65°	17	24
75°	13	13
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8430.9
2.5°	8391.7
5°	8341.4
7.5°	8216.2
10°	8012.7
12.5°	7790.4
15°	7523.0
17.5°	7201.0
20°	6823.7
22.5°	6417.5
25°	5966.1
27.5°	5465.3
30°	4892.1
32.5°	4209.0
35°	3572.0
37.5°	3006.5
40°	2469.0
42.5°	1914.6
45°	1315.9
47.5°	1004.1
50°	683.9
52.5°	498.2
55°	293.8
57.5°	132.9
60°	55.4
62.5°	28.1
65°	17.0
67.5°	16.2
70°	15.3
72.5°	14.5
75°	12.8
77.5°	11.1
80°	8.5
82.5°	6.8
85°	4.3
87.5°	2.6
90°	0.0

(END OF REPORT)