

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: P1504403

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504403
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 (3500K_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

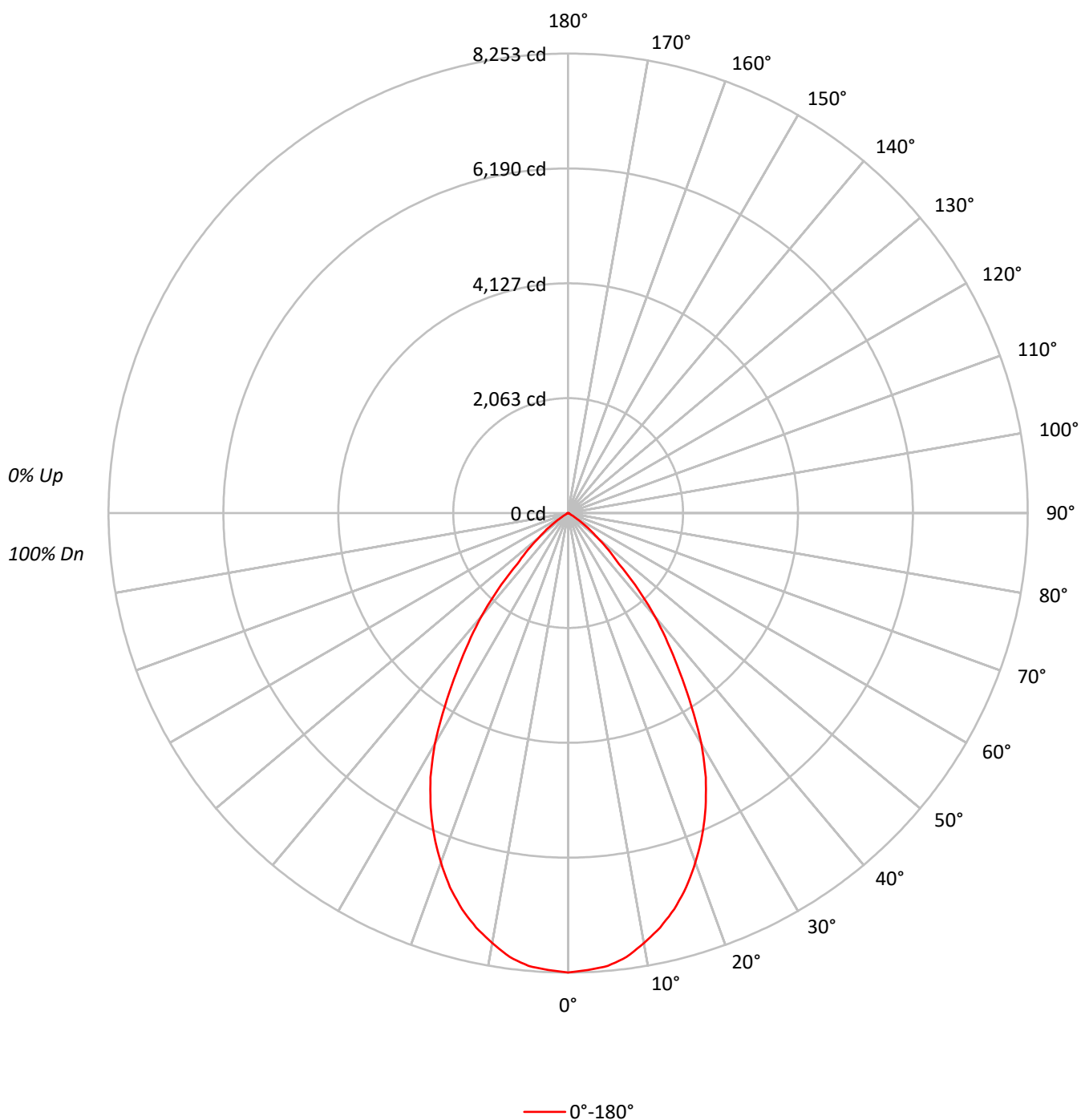
Lumens per Lamp: N/A
Luminaire Lumens: 9086.2 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
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					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°	67792
5°	67329
10°	65423
15°	62625
20°	58391
25°	52932
30°	45423
35°	35063
40°	25917
45°	14964
50°	8556
55°	4119
60°	890
65°	325
70°	360
75°	397
80°	393
85°	396

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14964 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	769.2	8.5
10°-20°	2059.7	22.7
20°-30°	2659.8	29.3
30°-40°	2195.2	24.2
40°-50°	1082.7	11.9
50°-60°	278.6	3.1
60°-70°	23.3	0.3
70°-80°	13.0	0.1
80°-90°	4.8	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°	5488.7	60.4
0°-40°	7683.9	84.6
0°-60°	9045.2	99.5
0°-90°	9086.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9086.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8253	
5°	8165	769
15°	7364	2060
25°	5840	2660
35°	3496	2195
45°	1288	1083
55°	288	279
65°	17	23
75°	12	13
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8252.8
2.5°	8214.4
5°	8165.2
7.5°	8042.7
10°	7843.4
12.5°	7625.8
15°	7364.0
17.5°	7048.9
20°	6679.6
22.5°	6281.9
25°	5840.0
27.5°	5349.8
30°	4788.8
32.5°	4120.1
35°	3496.5
37.5°	2943.0
40°	2416.9
42.5°	1874.2
45°	1288.1
47.5°	982.9
50°	669.5
52.5°	487.7
55°	287.6
57.5°	130.1
60°	54.2
62.5°	27.5
65°	16.7
67.5°	15.8
70°	15.0
72.5°	14.2
75°	12.5
77.5°	10.8
80°	8.3
82.5°	6.7
85°	4.2
87.5°	2.5
90°	0.0

(END OF REPORT)