

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: P1504412

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (4000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504412
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 (4000K_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

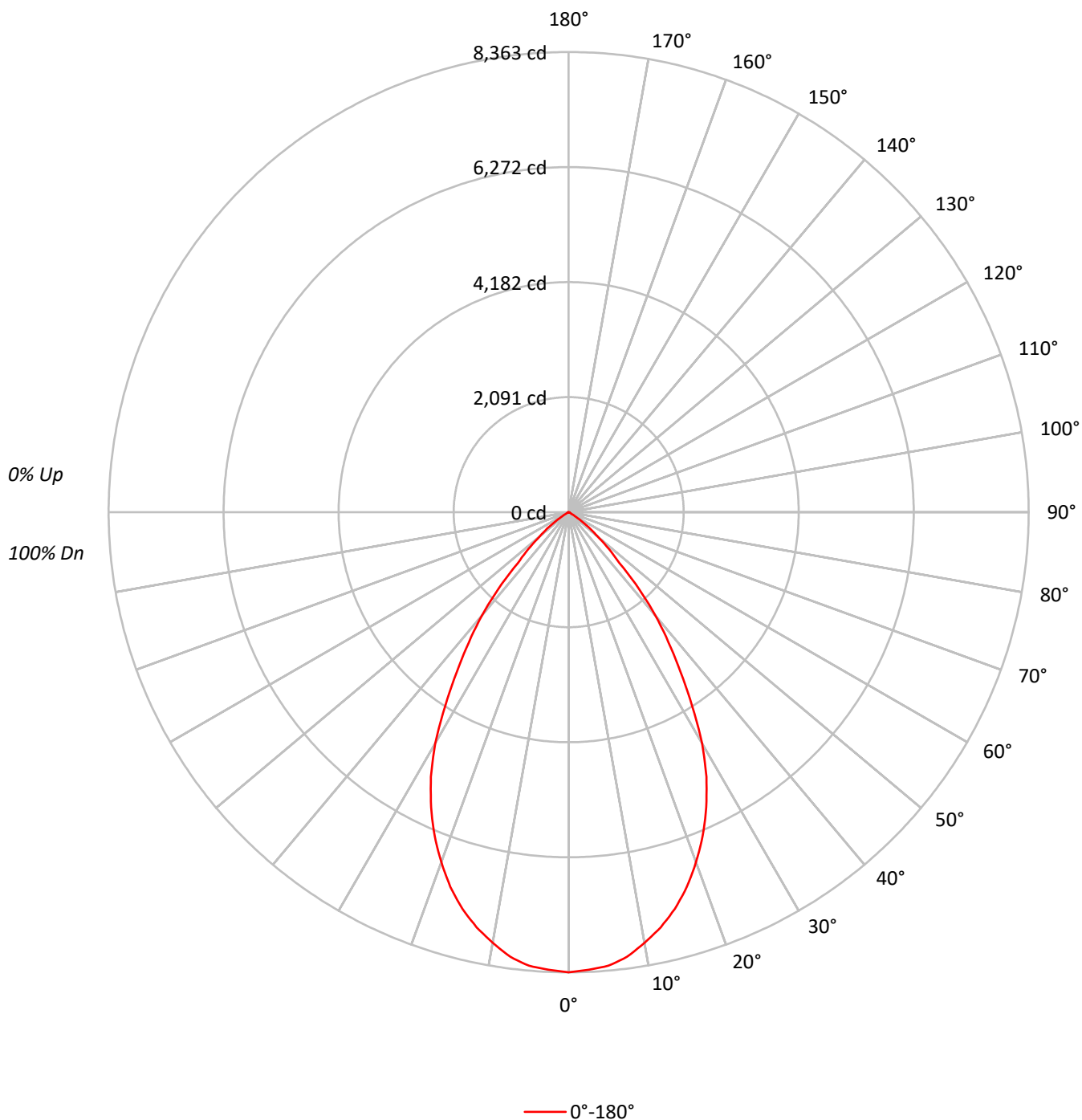
Lumens per Lamp: N/A
Luminaire Lumens: 9207.7 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.97
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 80.7
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					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	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°	68698
5°	68229
10°	66297
15°	63462
20°	59170
25°	53640
30°	46029
35°	35531
40°	26263
45°	15164
50°	8670
55°	4175
60°	902
65°	328
70°	365
75°	403
80°	397
85°	396

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15164 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	779.4	8.5
10°-20°	2087.2	22.7
20°-30°	2695.4	29.3
30°-40°	2224.6	24.2
40°-50°	1097.1	11.9
50°-60°	282.3	3.1
60°-70°	23.6	0.3
70°-80°	13.2	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°	5562.0	60.4
0°-40°	7786.6	84.6
0°-60°	9166.1	99.5
0°-90°	9207.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9207.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8363	
5°	8274	779
15°	7462	2087
25°	5918	2695
35°	3543	2225
45°	1305	1097
55°	292	282
65°	17	24
75°	13	13
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8363.0
2.5°	8324.1
5°	8274.3
7.5°	8150.1
10°	7948.2
12.5°	7727.7
15°	7462.4
17.5°	7143.1
20°	6768.8
22.5°	6365.8
25°	5918.1
27.5°	5421.3
30°	4852.7
32.5°	4175.2
35°	3543.2
37.5°	2982.3
40°	2449.2
42.5°	1899.2
45°	1305.3
47.5°	996.1
50°	678.4
52.5°	494.2
55°	291.5
57.5°	131.8
60°	54.9
62.5°	27.9
65°	16.9
67.5°	16.1
70°	15.2
72.5°	14.4
75°	12.7
77.5°	11.0
80°	8.4
82.5°	6.8
85°	4.2
87.5°	2.5
90°	0.0

(END OF REPORT)