

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: P1504610

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504610
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

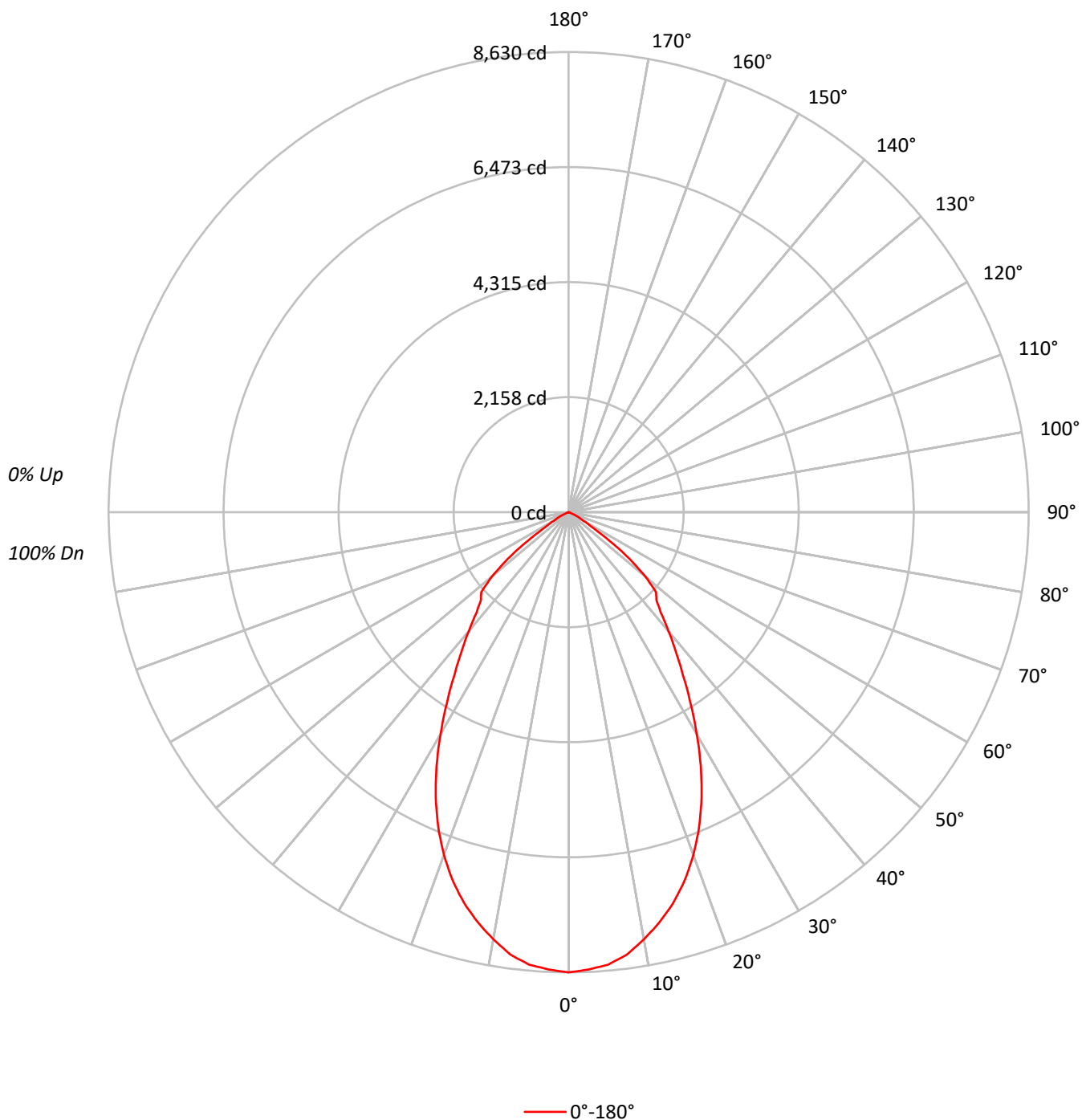
Lumens per Lamp: N/A
Luminaire Lumens: 10831.2 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 83
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				
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	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°	74701
5°	73992
10°	71482
15°	67960
20°	62991
25°	56338
30°	48027
35°	39576
40°	32938
45°	28456
50°	25280
55°	14191
60°	5765
65°	2429
70°	643
75°	254
80°	294
85°	248

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 28514 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	800.7	7.4
10°-20°	2120.8	19.6
20°-30°	2689.6	24.8
30°-40°	2358.5	21.8
40°-50°	1830.7	16.9
50°-60°	877.5	8.1
60°-70°	139.6	1.3
70°-80°	10.6	0.1
80°-90°	3.1	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°	5611.1	51.8
0°-40°	7969.6	73.6
0°-60°	10677.9	98.6
0°-90°	10831.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10831.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8630	
5°	8516	801
15°	7584	2121
25°	5899	2690
35°	3746	2359
45°	2325	1831
55°	940	878
65°	119	140
75°	8	11
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8630.5
2.5°	8583.9
5°	8516.1
7.5°	8367.0
10°	8133.2
12.5°	7876.5
15°	7584.2
17.5°	7241.1
20°	6838.7
22.5°	6394.7
25°	5899.1
27.5°	5366.2
30°	4805.4
32.5°	4255.5
35°	3745.5
37.5°	3304.1
40°	2915.2
42.5°	2557.7
45°	2324.7
47.5°	2225.6
50°	1877.4
52.5°	1444.5
55°	940.4
57.5°	487.1
60°	333.0
62.5°	214.3
65°	118.6
67.5°	58.5
70°	25.4
72.5°	10.2
75°	7.6
77.5°	6.8
80°	5.9
82.5°	4.2
85°	2.5
87.5°	1.7
90°	0.0

(END OF REPORT)