

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: P1504574

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504574
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

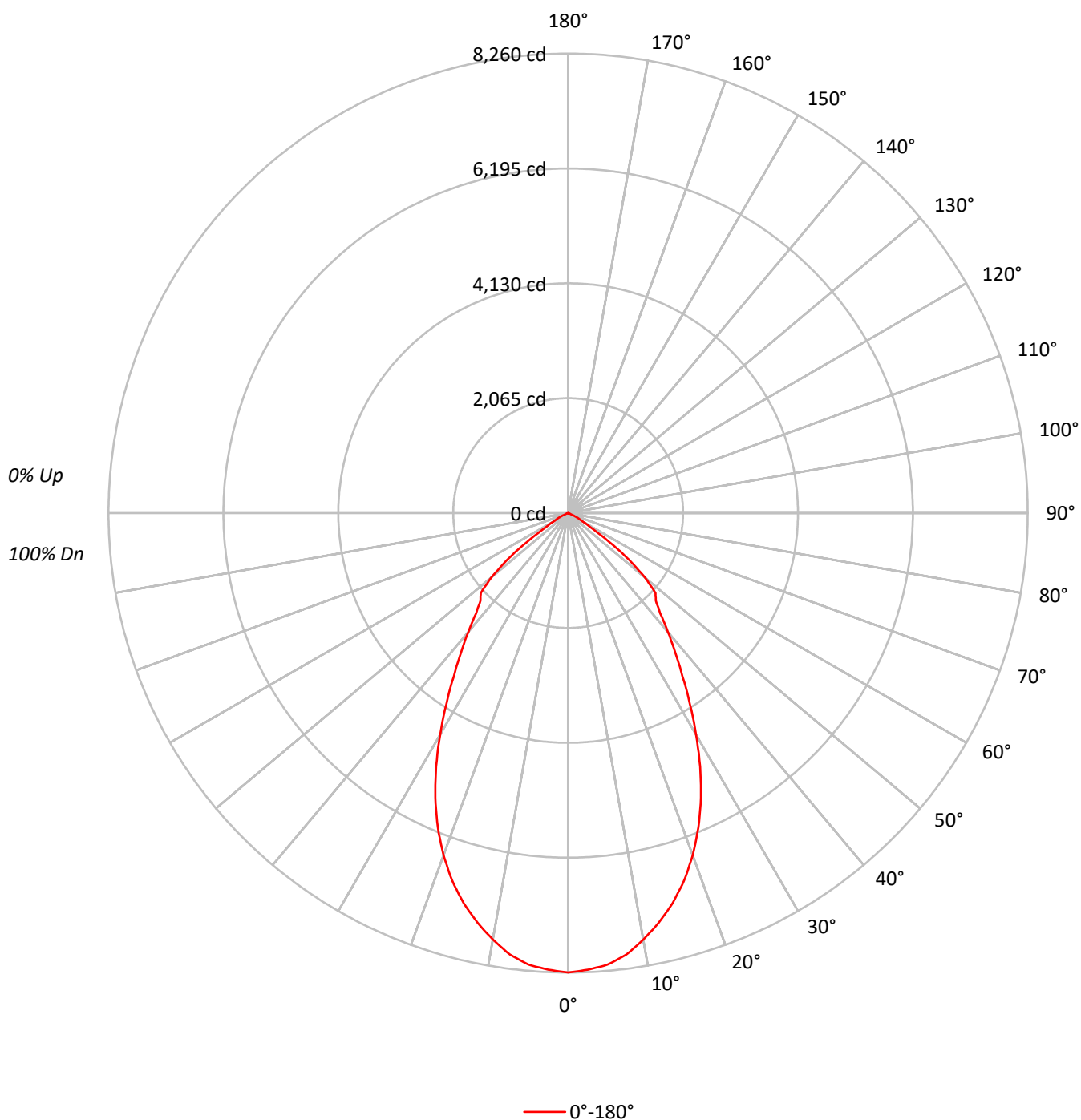
Lumens per Lamp: N/A
Luminaire Lumens: 10365.9 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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	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°	71492
5°	70814
10°	68412
15°	65041
20°	60285
25°	53918
30°	45963
35°	37876
40°	31524
45°	27234
50°	24195
55°	13581
60°	5517
65°	2325
70°	615
75°	244
80°	284
85°	238

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 27289 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	766.3	7.4
10°-20°	2029.7	19.6
20°-30°	2574.1	24.8
30°-40°	2257.2	21.8
40°-50°	1752.1	16.9
50°-60°	839.8	8.1
60°-70°	133.6	1.3
70°-80°	10.1	0.1
80°-90°	3.0	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°	5370.1	51.8
0°-40°	7627.3	73.6
0°-60°	10219.2	98.6
0°-90°	10365.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10365.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8260	
5°	8150	766
15°	7258	2030
25°	5646	2574
35°	3585	2257
45°	2225	1752
55°	900	840
65°	114	134
75°	7	10
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8259.8
2.5°	8215.2
5°	8150.3
7.5°	8007.6
10°	7783.8
12.5°	7538.1
15°	7258.4
17.5°	6930.0
20°	6544.9
22.5°	6120.0
25°	5645.7
27.5°	5135.7
30°	4598.9
32.5°	4072.7
35°	3584.6
37.5°	3162.2
40°	2790.0
42.5°	2447.8
45°	2224.9
47.5°	2130.0
50°	1796.8
52.5°	1382.4
55°	900.0
57.5°	466.2
60°	318.7
62.5°	205.1
65°	113.5
67.5°	55.9
70°	24.3
72.5°	9.7
75°	7.3
77.5°	6.5
80°	5.7
82.5°	4.1
85°	2.4
87.5°	1.6
90°	0.0

(END OF REPORT)