

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: P1504772

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504772
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-52)
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-06-BLAK-PS (4000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

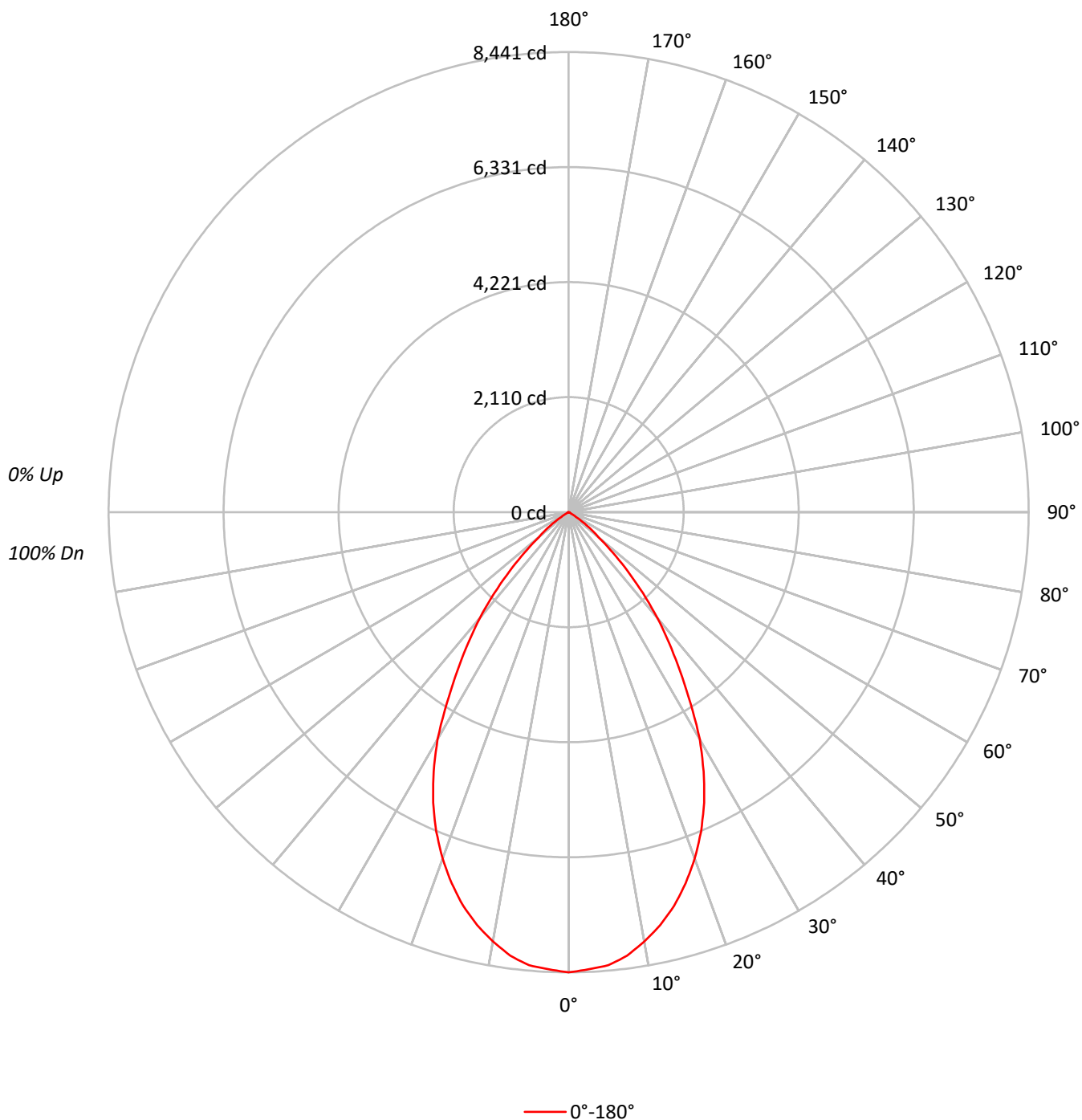
Lumens per Lamp: N/A
Luminaire Lumens: 9333.7 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.96
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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	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	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	93	105	100	96	92	97	93	90	93	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71			
5	90	80	74	69	88	79	74	69	78	72	68	76	71	68	74	70	67	66			
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60			
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56			
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52			
9	71	61	55	50	70	60	54	50	59	54	50	59	53	50	58	53	50	48			
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68450
5°	67913
10°	65840
15°	62758
20°	58342
25°	52606
30°	45021
35°	35228
40°	26831
45°	17518
50°	9071
55°	4538
60°	1056
65°	372
70°	360
75°	370
80°	355
85°	391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17518 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	785.2	8.4
10°-20°	2090.3	22.4
20°-30°	2677.5	28.7
30°-40°	2236.5	24.0
40°-50°	1195.3	12.8
50°-60°	305.6	3.3
60°-70°	26.7	0.3
70°-80°	12.1	0.1
80°-90°	4.5	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°	5553.0	59.5
0°-40°	7789.5	83.5
0°-60°	9290.4	99.5
0°-90°	9333.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9333.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8441	
5°	8343	785
15°	7475	2090
25°	5879	2678
35°	3558	2236
45°	1528	1195
55°	321	306
65°	19	27
75°	12	12
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8440.7
2.5°	8394.3
5°	8342.7
7.5°	8206.7
10°	7995.5
12.5°	7758.1
15°	7475.1
17.5°	7137.1
20°	6760.4
22.5°	6343.9
25°	5879.2
27.5°	5360.5
30°	4807.9
32.5°	4159.1
35°	3558.4
37.5°	3028.7
40°	2534.5
42.5°	2016.6
45°	1527.5
47.5°	1102.5
50°	719.0
52.5°	520.4
55°	321.0
57.5°	155.4
60°	65.1
62.5°	32.1
65°	19.4
67.5°	16.9
70°	15.2
72.5°	13.5
75°	11.8
77.5°	9.3
80°	7.6
82.5°	5.9
85°	4.2
87.5°	2.5
90°	0.0

(END OF REPORT)