

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: P1504790

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504790
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 (6500K_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

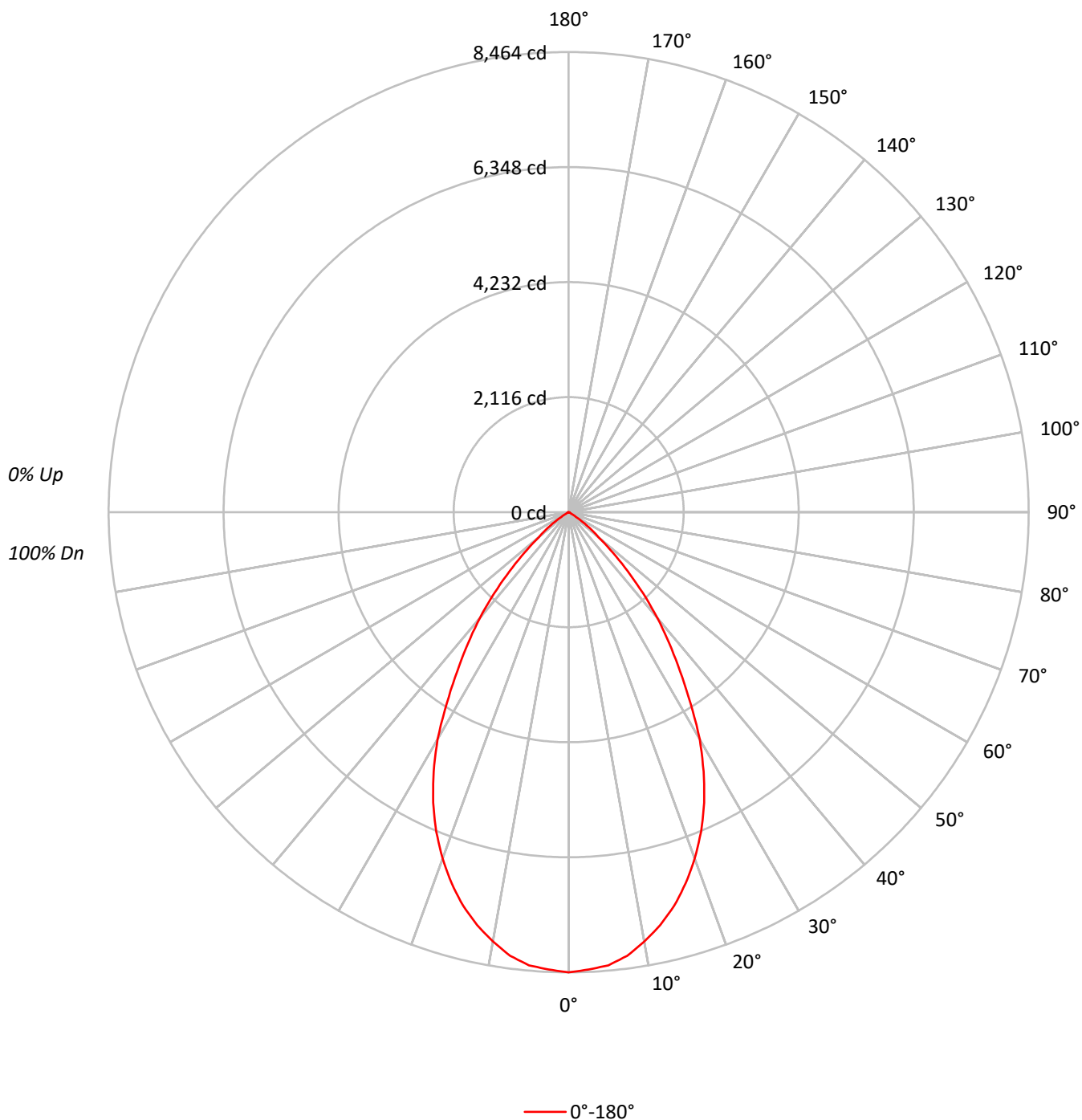
Lumens per Lamp: N/A
Luminaire Lumens: 9359.9 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.96
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 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					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	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°	68642
5°	68105
10°	66025
15°	62934
20°	58505
25°	52754
30°	45149
35°	35327
40°	26906
45°	17568
50°	9096
55°	4551
60°	1057
65°	374
70°	360
75°	373
80°	355
85°	391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17568 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.4	8.4
10°-20°	2096.2	22.4
20°-30°	2685.0	28.7
30°-40°	2242.8	24.0
40°-50°	1198.7	12.8
50°-60°	306.5	3.3
60°-70°	26.7	0.3
70°-80°	12.2	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°	5568.6	59.5
0°-40°	7811.3	83.5
0°-60°	9316.5	99.5
0°-90°	9359.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9359.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8464	
5°	8366	787
15°	7496	2096
25°	5896	2685
35°	3568	2243
45°	1532	1199
55°	322	306
65°	20	27
75°	12	12
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8464.4
2.5°	8417.8
5°	8366.2
7.5°	8229.8
10°	8018.0
12.5°	7779.9
15°	7496.1
17.5°	7157.2
20°	6779.3
22.5°	6361.7
25°	5895.7
27.5°	5375.5
30°	4821.5
32.5°	4170.8
35°	3568.4
37.5°	3037.2
40°	2541.6
42.5°	2022.3
45°	1531.8
47.5°	1105.6
50°	721.0
52.5°	521.9
55°	321.9
57.5°	155.9
60°	65.2
62.5°	32.2
65°	19.5
67.5°	16.9
70°	15.2
72.5°	13.6
75°	11.9
77.5°	9.3
80°	7.6
82.5°	5.9
85°	4.2
87.5°	2.5
90°	0.0

(END OF REPORT)