

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: P1504428

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504428
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-42)
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 (5000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

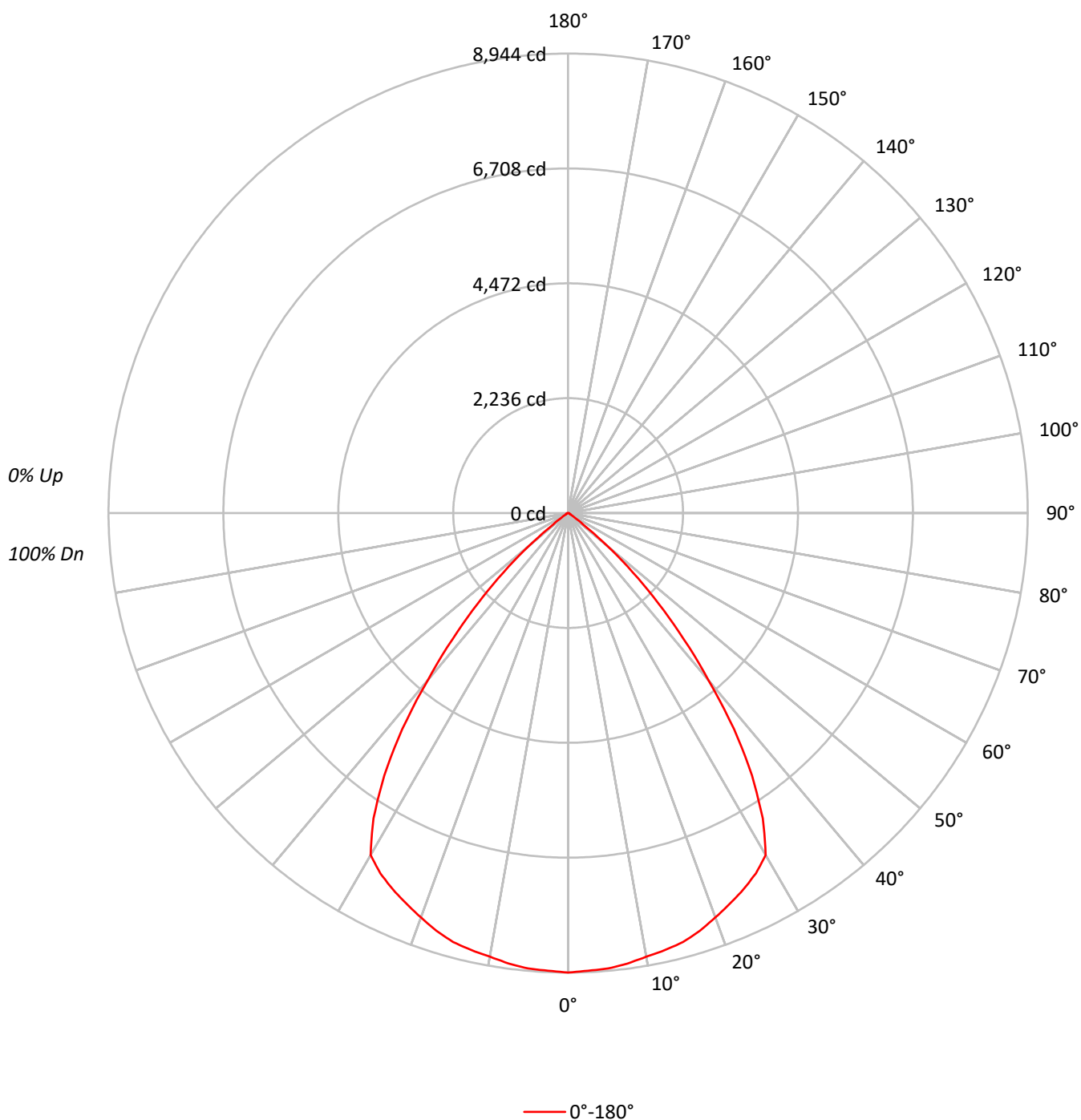
Lumens per Lamp: N/A
Luminaire Lumens: 13082.4 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92							
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84							
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77							
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71	70							
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64							
6	83	73	66	61	82	72	66	61	71	65	61	69	64	60	68	63	60	58							
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53							
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49							
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45							
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73466
5°	73391
10°	73141
15°	73512
20°	73230
25°	73225
30°	72906
35°	62537
40°	45621
45°	28850
50°	12609
55°	2572
60°	905
65°	651
70°	747
75°	797
80°	795
85°	792

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	845.1	6.5
10°-20°	2436.0	18.6
20°-30°	3722.4	28.5
30°-40°	3814.2	29.2
40°-50°	1929.0	14.7
50°-60°	263.0	2.0
60°-70°	37.3	0.3
70°-80°	26.2	0.2
80°-90°	9.1	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°	7003.5	53.5
0°-40°	10817.7	82.7
0°-60°	13009.8	99.4
0°-90°	13082.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13082.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8944	
5°	8900	845
15°	8644	2436
25°	8079	3722
35°	6236	3814
45°	2483	1929
55°	180	263
65°	34	37
75°	25	26
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8943.5
2.5°	8916.0
5°	8900.4
7.5°	8842.9
10°	8768.7
12.5°	8711.2
15°	8644.2
17.5°	8524.4
20°	8377.1
22.5°	8228.7
25°	8079.0
27.5°	7907.8
30°	7686.2
32.5°	7046.8
35°	6236.2
37.5°	5302.2
40°	4254.4
42.5°	3332.4
45°	2483.4
47.5°	1705.1
50°	986.7
52.5°	398.7
55°	179.6
57.5°	104.2
60°	55.1
62.5°	41.9
65°	33.5
67.5°	32.3
70°	31.1
72.5°	28.7
75°	25.1
77.5°	21.6
80°	16.8
82.5°	13.2
85°	8.4
87.5°	3.6
90°	0.0

(END OF REPORT)