

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: P1504398

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504398
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 (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

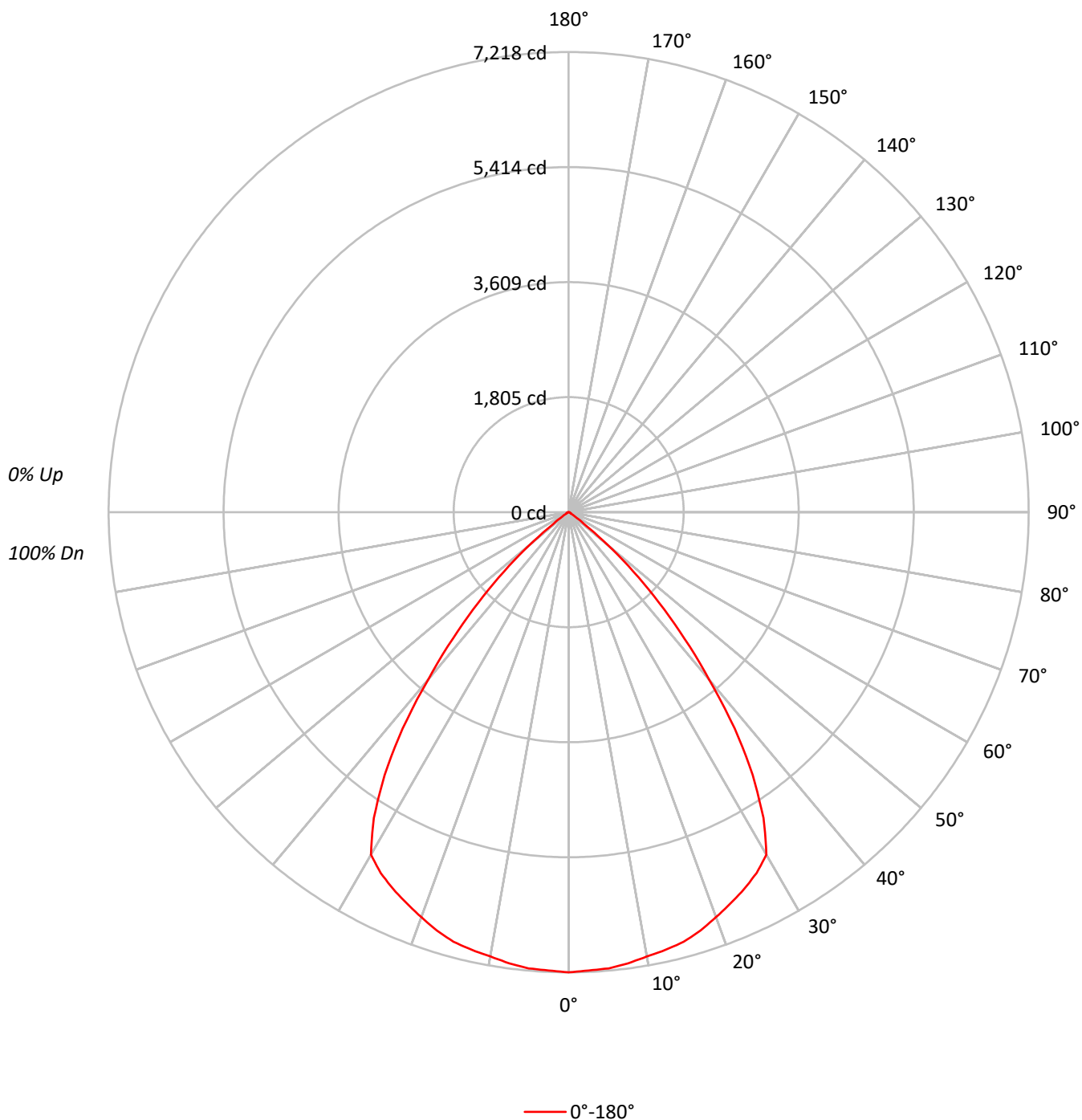
Lumens per Lamp: N/A
Luminaire Lumens: 10558.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 102.3
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	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	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°	59290
5°	59229
10°	59027
15°	59326
20°	59099
25°	59095
30°	58837
35°	50469
40°	36818
45°	23283
50°	10176
55°	2077
60°	731
65°	527
70°	603
75°	644
80°	639
85°	641

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23283 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	682.0	6.5
10°-20°	1965.9	18.6
20°-30°	3004.1	28.5
30°-40°	3078.2	29.2
40°-50°	1556.8	14.7
50°-60°	212.3	2.0
60°-70°	30.1	0.3
70°-80°	21.2	0.2
80°-90°	7.4	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°	5652.1	53.5
0°-40°	8730.2	82.7
0°-60°	10499.3	99.4
0°-90°	10558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10558.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7218	
5°	7183	682
15°	6976	1966
25°	6520	3004
35°	5033	3078
45°	2004	1557
55°	145	212
65°	27	30
75°	20	21
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7217.7
2.5°	7195.5
5°	7182.9
7.5°	7136.5
10°	7076.6
12.5°	7030.2
15°	6976.1
17.5°	6879.5
20°	6760.6
22.5°	6640.8
25°	6520.0
27.5°	6381.8
30°	6203.0
32.5°	5687.0
35°	5032.8
37.5°	4279.0
40°	3433.5
42.5°	2689.4
45°	2004.2
47.5°	1376.1
50°	796.3
52.5°	321.8
55°	145.0
57.5°	84.1
60°	44.5
62.5°	33.8
65°	27.1
67.5°	26.1
70°	25.1
72.5°	23.2
75°	20.3
77.5°	17.4
80°	13.5
82.5°	10.6
85°	6.8
87.5°	2.9
90°	0.0

(END OF REPORT)