

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: P1504236

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (4000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504236
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-18)
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-04-BLAK-PS (4000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

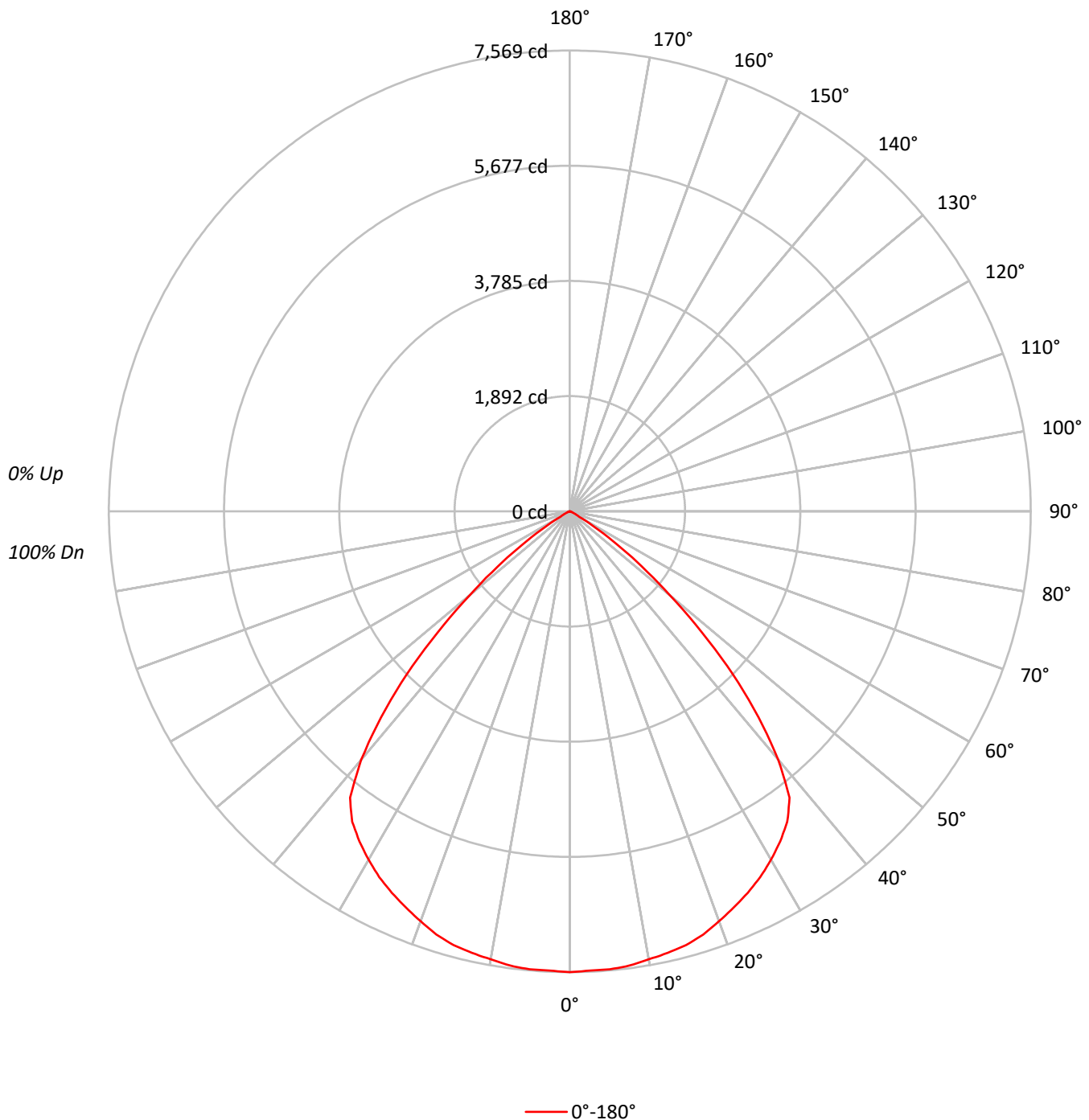
Lumens per Lamp: N/A
Luminaire Lumens: 13706.9 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 99.5
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					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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82			
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73			
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66			
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59			
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48			
8	70	59	51	46	69	58	51	46	57	51	46	56	50	46	55	49	46	44			
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40			
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	69129
5°	69234
10°	69290
15°	69741
20°	69641
25°	69665
30°	69698
35°	69410
40°	63491
45°	48986
50°	30521
55°	15012
60°	3344
65°	1517
70°	598
75°	430
80°	536
85°	744

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48986 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.3	5.2
10°-20°	2080.0	15.2
20°-30°	3187.8	23.3
30°-40°	3840.9	28.0
40°-50°	2882.4	21.0
50°-60°	897.0	6.5
60°-70°	79.5	0.6
70°-80°	14.5	0.1
80°-90°	6.7	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°	5986.1	43.7
0°-40°	9826.9	71.7
0°-60°	13606.2	99.3
0°-90°	13706.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13706.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7569	
5°	7552	718
15°	7376	2080
25°	6913	3188
35°	6226	3841
45°	3793	2882
55°	943	897
65°	70	80
75°	12	14
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7569.2
2.5°	7548.9
5°	7551.9
7.5°	7525.5
10°	7471.6
12.5°	7428.9
15°	7376.0
17.5°	7287.5
20°	7165.4
22.5°	7039.3
25°	6913.2
27.5°	6772.8
30°	6609.1
32.5°	6428.0
35°	6225.6
37.5°	5926.6
40°	5325.5
42.5°	4589.1
45°	3792.7
47.5°	2944.5
50°	2148.1
52.5°	1493.1
55°	942.8
57.5°	474.0
60°	183.1
62.5°	114.9
65°	70.2
67.5°	36.6
70°	22.4
72.5°	14.2
75°	12.2
77.5°	12.2
80°	10.2
82.5°	9.2
85°	7.1
87.5°	3.1
90°	0.0

(END OF REPORT)