

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: P1504235

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504235
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-16)
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_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

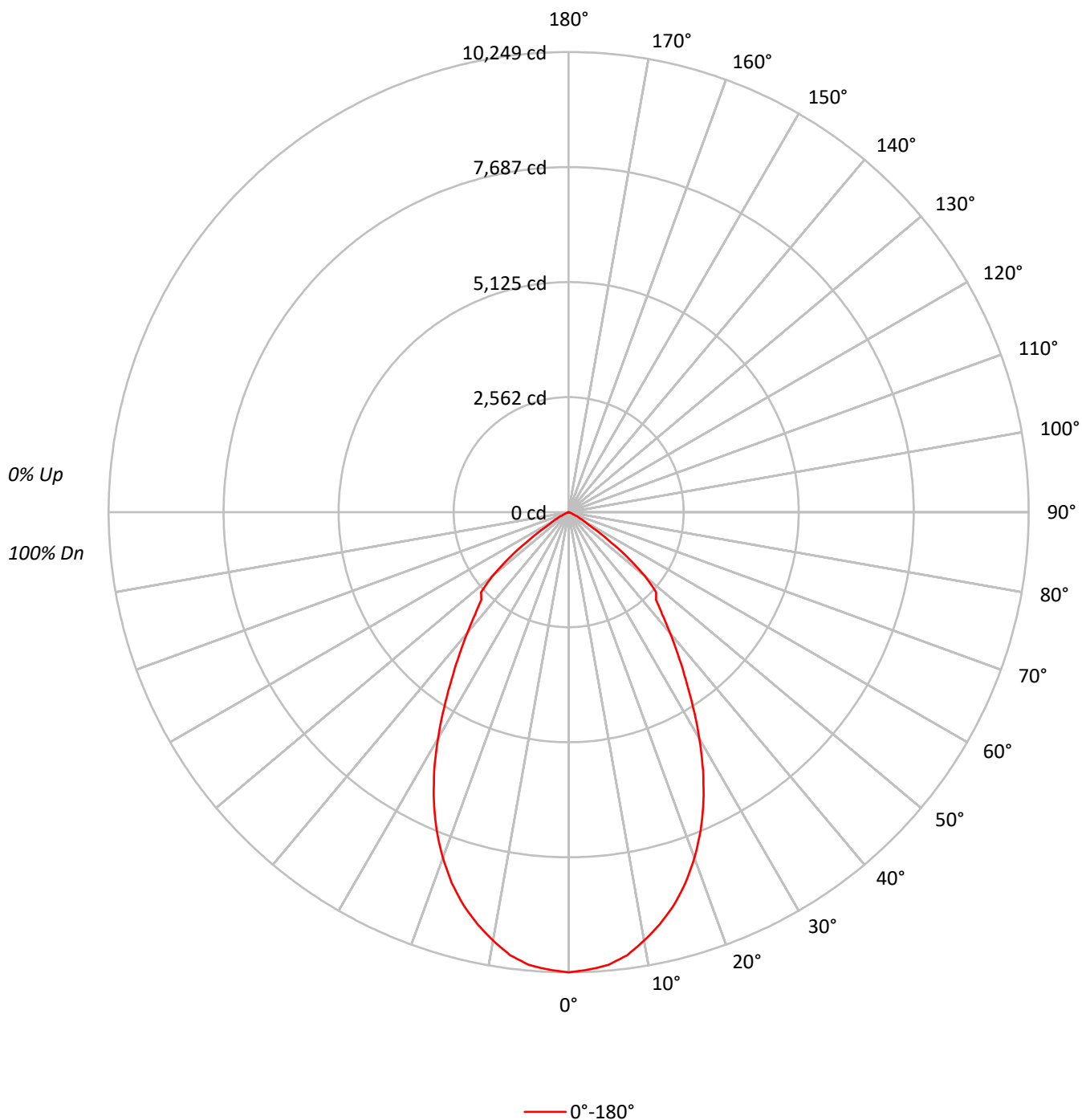
Lumens per Lamp: N/A
Luminaire Lumens: 12947.8 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.98
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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					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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92							
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83							
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75							
4	93	84	77	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68							
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62							
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56							
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51							
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47							
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44							
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93606
5°	92797
10°	89853
15°	85647
20°	79615
25°	71591
30°	61364
35°	50632
40°	41871
45°	35521
50°	31547
55°	16810
60°	6930
65°	2878
70°	761
75°	286
80°	373
85°	430

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 35776 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	952.5	7.4
10°-20°	2533.4	19.6
20°-30°	3239.5	25.0
30°-40°	2856.0	22.1
40°-50°	2184.0	16.9
50°-60°	1008.6	7.8
60°-70°	157.9	1.2
70°-80°	11.9	0.1
80°-90°	4.0	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°	6725.4	51.9
0°-40°	9581.3	74.0
0°-60°	12774.0	98.7
0°-90°	12947.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12947.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10249	
5°	10122	952
15°	9058	2533
25°	7104	3239
35°	4541	2856
45°	2750	2184
55°	1056	1009
65°	133	158
75°	8	12
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10249.3
2.5°	10198.4
5°	10122.1
7.5°	9954.3
10°	9688.9
12.5°	9394.9
15°	9058.3
17.5°	8658.5
20°	8191.7
22.5°	7681.1
25°	7104.4
27.5°	6483.0
30°	5818.8
32.5°	5161.8
35°	4541.3
37.5°	3997.2
40°	3512.0
42.5°	3078.7
45°	2750.2
47.5°	2646.5
50°	2220.3
52.5°	1671.1
55°	1055.7
57.5°	547.2
60°	379.4
62.5°	242.1
65°	133.2
67.5°	66.1
70°	28.5
72.5°	11.2
75°	8.1
77.5°	8.1
80°	7.1
82.5°	5.1
85°	4.1
87.5°	2.0
90°	0.0

(END OF REPORT)