

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: P1504244

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504244
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

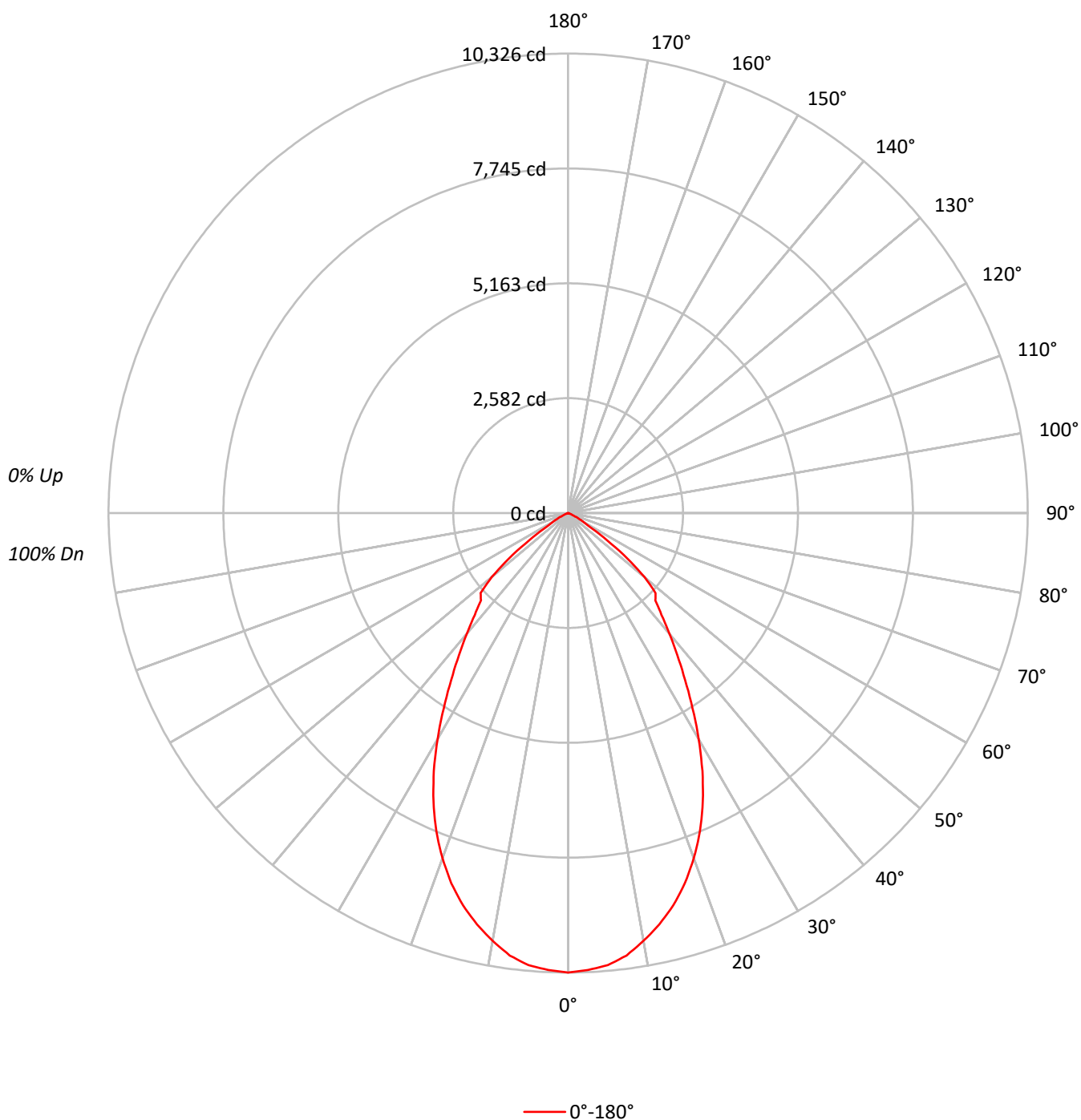
Lumens per Lamp: N/A
Luminaire Lumens: 13045.4 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.98
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 100.1
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	0		
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°	94311
5°	93497
10°	90530
15°	86292
20°	80215
25°	72131
30°	61827
35°	51014
40°	42186
45°	35790
50°	31785
55°	16937
60°	6981
65°	2900
70°	766
75°	289
80°	379
85°	430

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 36045 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	959.6	7.4
10°-20°	2552.5	19.6
20°-30°	3263.9	25.0
30°-40°	2877.5	22.1
40°-50°	2200.5	16.9
50°-60°	1016.3	7.8
60°-70°	159.1	1.2
70°-80°	12.0	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°	6776.1	51.9
0°-40°	9653.6	74.0
0°-60°	12870.3	98.7
0°-90°	13045.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13045.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10326	
5°	10198	960
15°	9126	2553
25°	7158	3264
35°	4576	2878
45°	2771	2200
55°	1064	1016
65°	134	159
75°	8	12
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10326.5
2.5°	10275.3
5°	10198.4
7.5°	10029.3
10°	9761.9
12.5°	9465.7
15°	9126.5
17.5°	8723.8
20°	8253.4
22.5°	7739.0
25°	7158.0
27.5°	6531.8
30°	5862.7
32.5°	5200.7
35°	4575.6
37.5°	4027.3
40°	3538.5
42.5°	3102.0
45°	2771.0
47.5°	2666.4
50°	2237.1
52.5°	1683.7
55°	1063.7
57.5°	551.3
60°	382.2
62.5°	243.9
65°	134.2
67.5°	66.6
70°	28.7
72.5°	11.3
75°	8.2
77.5°	8.2
80°	7.2
82.5°	5.1
85°	4.1
87.5°	2.0
90°	0.0

(END OF REPORT)