

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: P1504613

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (6500K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504613
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-28)
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-B-04-BLAK-PS (6500K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

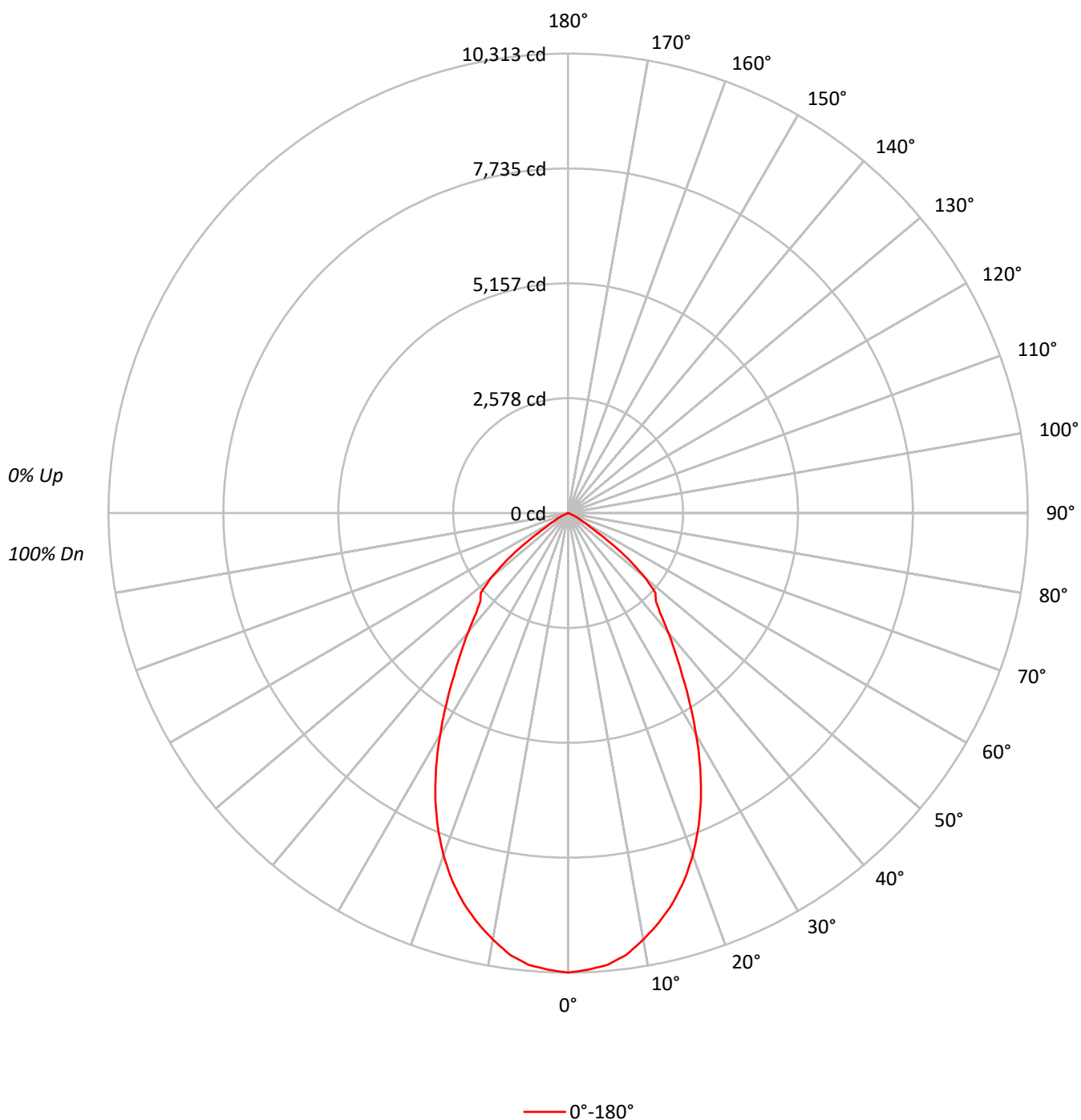
Lumens per Lamp: N/A
Luminaire Lumens: 12943.0 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 102.5
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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61		
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	49	59	53	49	58	53	49	57	52	49	47		
9	68	57	50	46	67	57	50	46	56	50	45	55	49	45	54	49	45	44		
10	65	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89265
5°	88419
10°	85419
15°	81211
20°	75272
25°	67322
30°	57391
35°	47293
40°	39361
45°	34005
50°	30210
55°	16958
60°	6888
65°	2902
70°	769
75°	304
80°	354
85°	298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 34073 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	956.9	7.4
10°-20°	2534.3	19.6
20°-30°	3214.0	24.8
30°-40°	2818.4	21.8
40°-50°	2187.7	16.9
50°-60°	1048.6	8.1
60°-70°	166.9	1.3
70°-80°	12.6	0.1
80°-90°	3.7	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°	6705.1	51.8
0°-40°	9523.5	73.6
0°-60°	12759.8	98.6
0°-90°	12943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12943.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10313	
5°	10176	957
15°	9063	2534
25°	7049	3214
35°	4476	2818
45°	2778	2188
55°	1124	1049
65°	142	167
75°	9	13
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10313.2
2.5°	10257.5
5°	10176.5
7.5°	9998.4
10°	9718.9
12.5°	9412.2
15°	9062.9
17.5°	8652.9
20°	8172.0
22.5°	7641.5
25°	7049.3
27.5°	6412.5
30°	5742.3
32.5°	5085.2
35°	4475.8
37.5°	3948.3
40°	3483.6
42.5°	3056.4
45°	2778.0
47.5°	2659.5
50°	2243.5
52.5°	1726.1
55°	1123.8
57.5°	582.1
60°	397.9
62.5°	256.1
65°	141.7
67.5°	69.9
70°	30.4
72.5°	12.1
75°	9.1
77.5°	8.1
80°	7.1
82.5°	5.1
85°	3.0
87.5°	2.0
90°	0.0

(END OF REPORT)