

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: P1504232

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (4000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504232
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_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

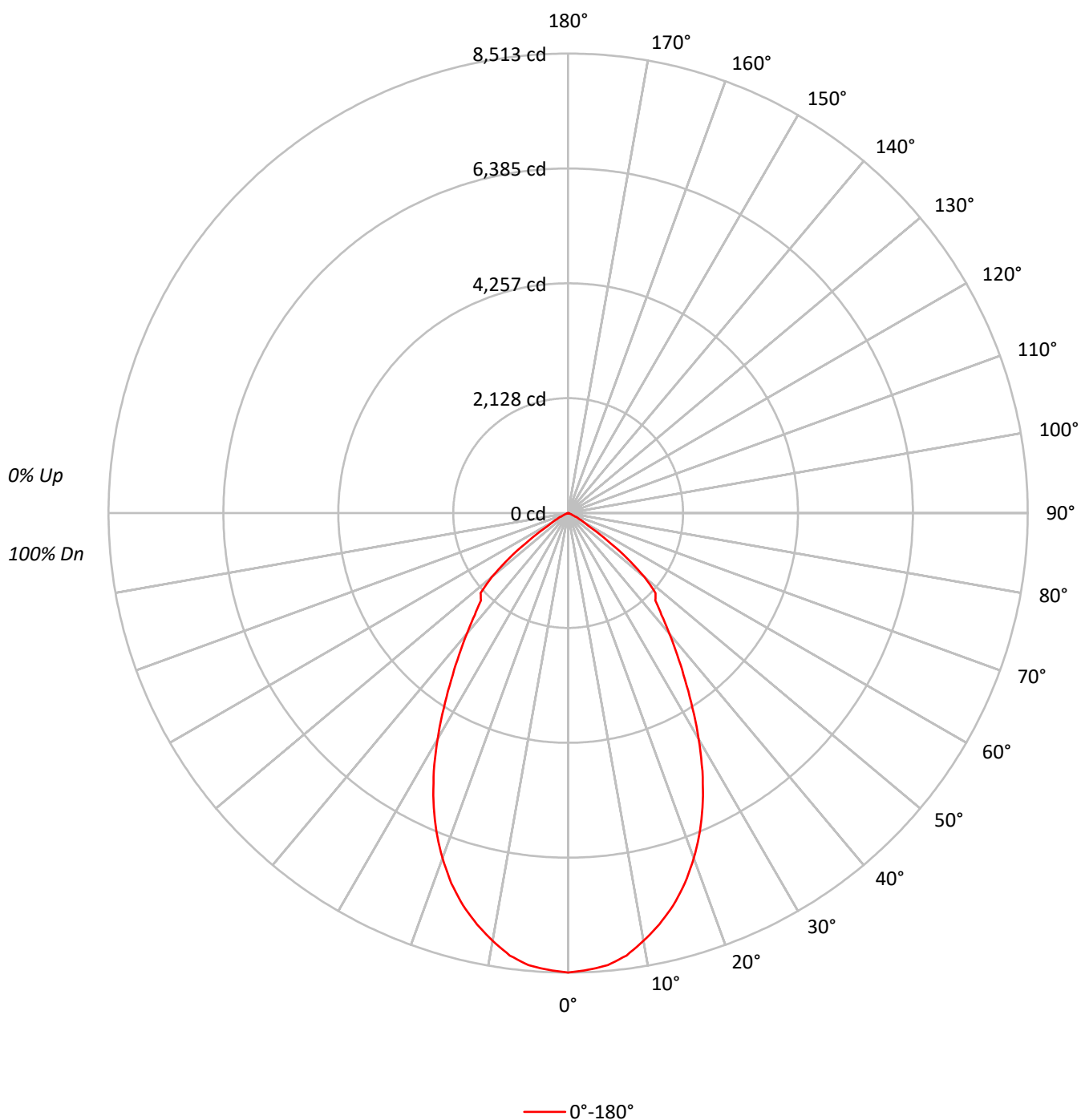
Lumens per Lamp: N/A
Luminaire Lumens: 10755.0 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.98
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 80.7
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°	77752
5°	77081
10°	74634
15°	71141
20°	66131
25°	59467
30°	50971
35°	42057
40°	34779
45°	29505
50°	26204
55°	13963
60°	5756
65°	2392
70°	633
75°	240
80°	310
85°	356

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 29717 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	791.2	7.4
10°-20°	2104.3	19.6
20°-30°	2690.8	25.0
30°-40°	2372.3	22.1
40°-50°	1814.1	16.9
50°-60°	837.8	7.8
60°-70°	131.2	1.2
70°-80°	9.9	0.1
80°-90°	3.3	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°	5586.3	51.9
0°-40°	7958.6	74.0
0°-60°	10610.5	98.7
0°-90°	10755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10755.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8513	
5°	8408	791
15°	7524	2104
25°	5901	2691
35°	3772	2372
45°	2284	1814
55°	877	838
65°	111	131
75°	7	10
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8513.4
2.5°	8471.1
5°	8407.8
7.5°	8268.4
10°	8047.9
12.5°	7803.7
15°	7524.1
17.5°	7192.1
20°	6804.3
22.5°	6380.2
25°	5901.2
27.5°	5385.0
30°	4833.3
32.5°	4287.5
35°	3772.2
37.5°	3320.2
40°	2917.2
42.5°	2557.3
45°	2284.4
47.5°	2198.3
50°	1844.3
52.5°	1388.1
55°	876.9
57.5°	454.5
60°	315.1
62.5°	201.1
65°	110.7
67.5°	54.9
70°	23.7
72.5°	9.3
75°	6.8
77.5°	6.8
80°	5.9
82.5°	4.2
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)