

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: P1504247

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504247
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_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

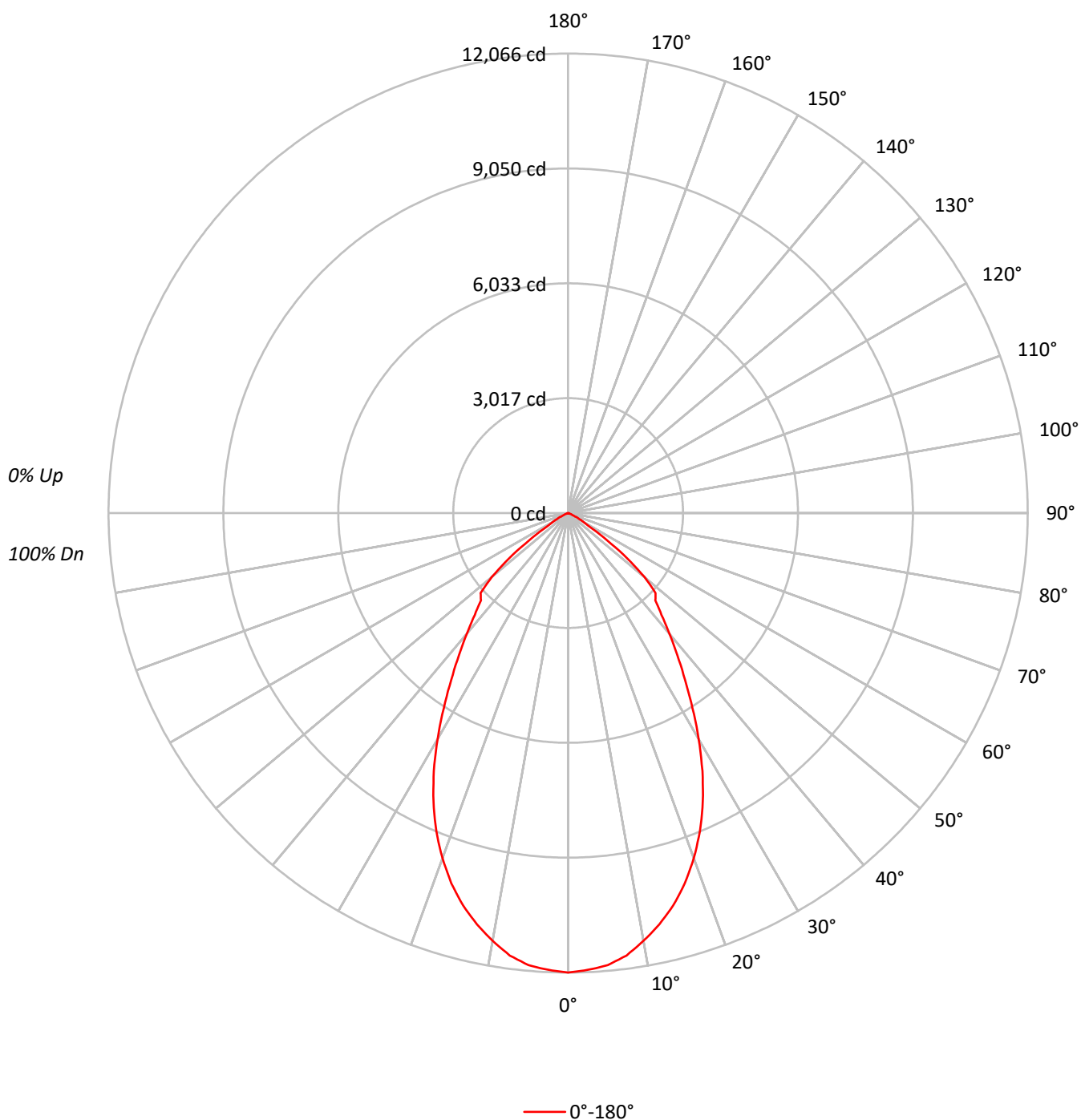
Lumens per Lamp: N/A
Luminaire Lumens: 15243.4 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.98
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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°	110201
5°	109250
10°	105782
15°	100831
20°	93730
25°	84284
30°	72243
35°	59609
40°	49294
45°	41819
50°	37140
55°	19790
60°	8157
65°	3391
70°	895
75°	339
80°	442
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 42119 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1121.3	7.4
10°-20°	2982.6	19.6
20°-30°	3813.8	25.0
30°-40°	3362.3	22.1
40°-50°	2571.2	16.9
50°-60°	1187.5	7.8
60°-70°	185.9	1.2
70°-80°	14.0	0.1
80°-90°	4.7	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°	7917.7	51.9
0°-40°	11280.0	74.0
0°-60°	15038.7	98.7
0°-90°	15243.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15243.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12066	
5°	11917	###
15°	10664	2983
25°	8364	3814
35°	5346	3362
45°	3238	2571
55°	1243	1187
65°	157	186
75°	10	14
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12066.4
2.5°	12006.5
5°	11916.7
7.5°	11719.1
10°	11406.6
12.5°	11060.6
15°	10664.2
17.5°	10193.6
20°	9644.0
22.5°	9042.9
25°	8364.0
27.5°	7632.3
30°	6850.4
32.5°	6076.9
35°	5346.5
37.5°	4705.9
40°	4134.7
42.5°	3624.6
45°	3237.8
47.5°	3115.7
50°	2614.0
52.5°	1967.4
55°	1242.9
57.5°	644.2
60°	446.6
62.5°	285.0
65°	156.9
67.5°	77.8
70°	33.5
72.5°	13.2
75°	9.6
77.5°	9.6
80°	8.4
82.5°	6.0
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)