

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: P1504607

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504607
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 (5000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

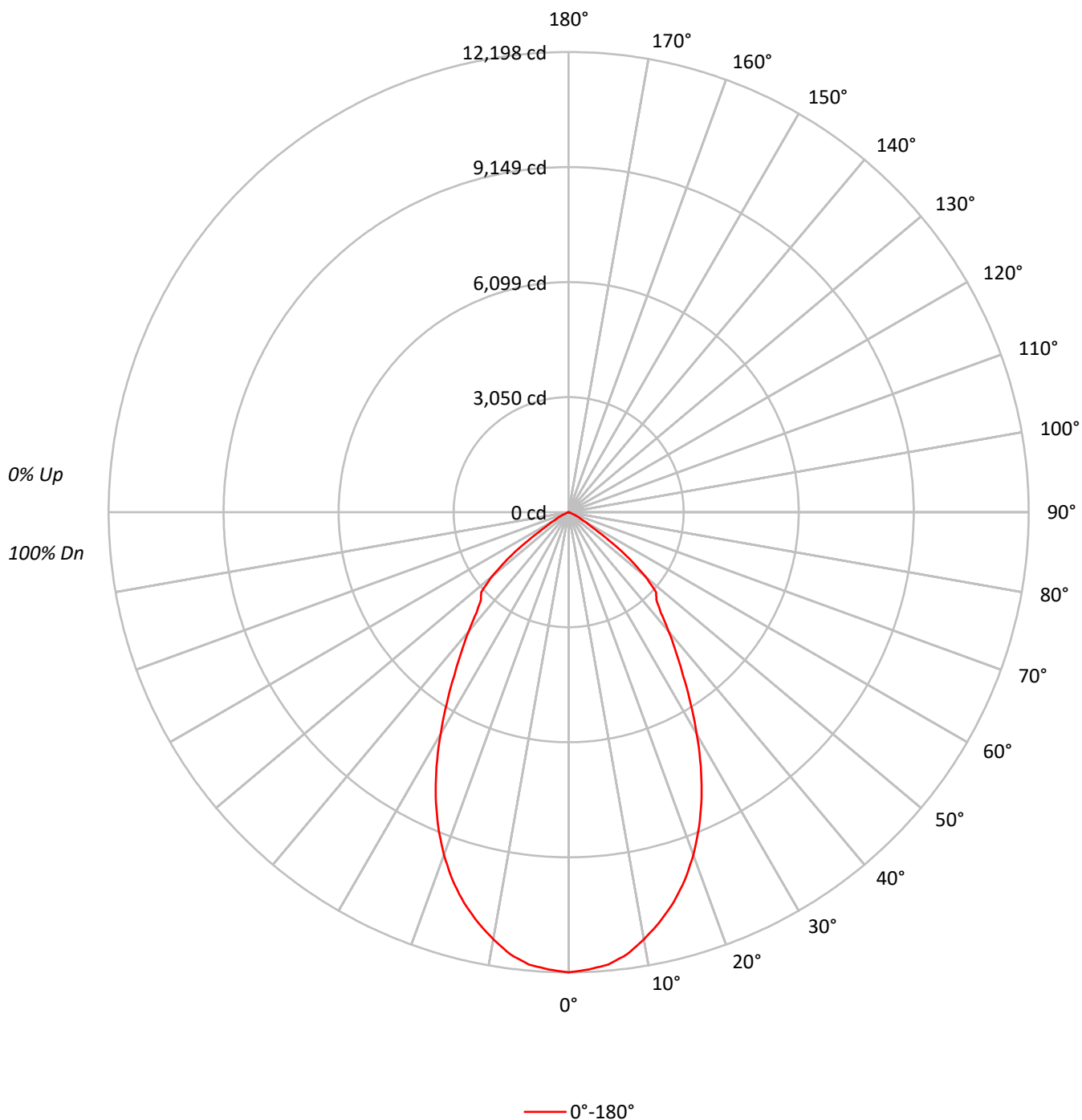
Lumens per Lamp: N/A
Luminaire Lumens: 15308.5 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1504607

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L18_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504607

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L18_Narrow_120V)

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°	105580
5°	104579
10°	101031
15°	96053
20°	89029
25°	79626
30°	67880
35°	55936
40°	46555
45°	40219
50°	35731
55°	20057
60°	8147
65°	3433
70°	909
75°	361
80°	419
85°	358

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 40300 cd/sqm

TEST NUMBER: P1504607

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L18_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1131.8	7.4
10°-20°	2997.4	19.6
20°-30°	3801.4	24.8
30°-40°	3333.4	21.8
40°-50°	2587.5	16.9
50°-60°	1240.2	8.1
60°-70°	197.3	1.3
70°-80°	15.0	0.1
80°-90°	4.4	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°	7930.6	51.8
0°-40°	11264.0	73.6
0°-60°	15091.8	98.6
0°-90°	15308.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15308.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12198	
5°	12036	###
15°	10719	2997
25°	8338	3801
35°	5294	3333
45°	3286	2588
55°	1329	1240
65°	168	197
75°	11	15
85°	4	4
90°	0	

TEST NUMBER: P1504607

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L18_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	12198.1
2.5°	12132.2
5°	12036.5
7.5°	11825.7
10°	11495.2
12.5°	11132.4
15°	10719.3
17.5°	10234.3
20°	9665.6
22.5°	9038.1
25°	8337.6
27.5°	7584.5
30°	6791.8
32.5°	6014.6
35°	5293.8
37.5°	4669.9
40°	4120.3
42.5°	3615.0
45°	3285.7
47.5°	3145.6
50°	2653.5
52.5°	2041.6
55°	1329.1
57.5°	688.5
60°	470.6
62.5°	302.9
65°	167.6
67.5°	82.6
70°	35.9
72.5°	14.4
75°	10.8
77.5°	9.6
80°	8.4
82.5°	6.0
85°	3.6
87.5°	2.4
90°	0.0

(END OF REPORT)