

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: P1504777

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504777
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-53)
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-06-BLAK-PS (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

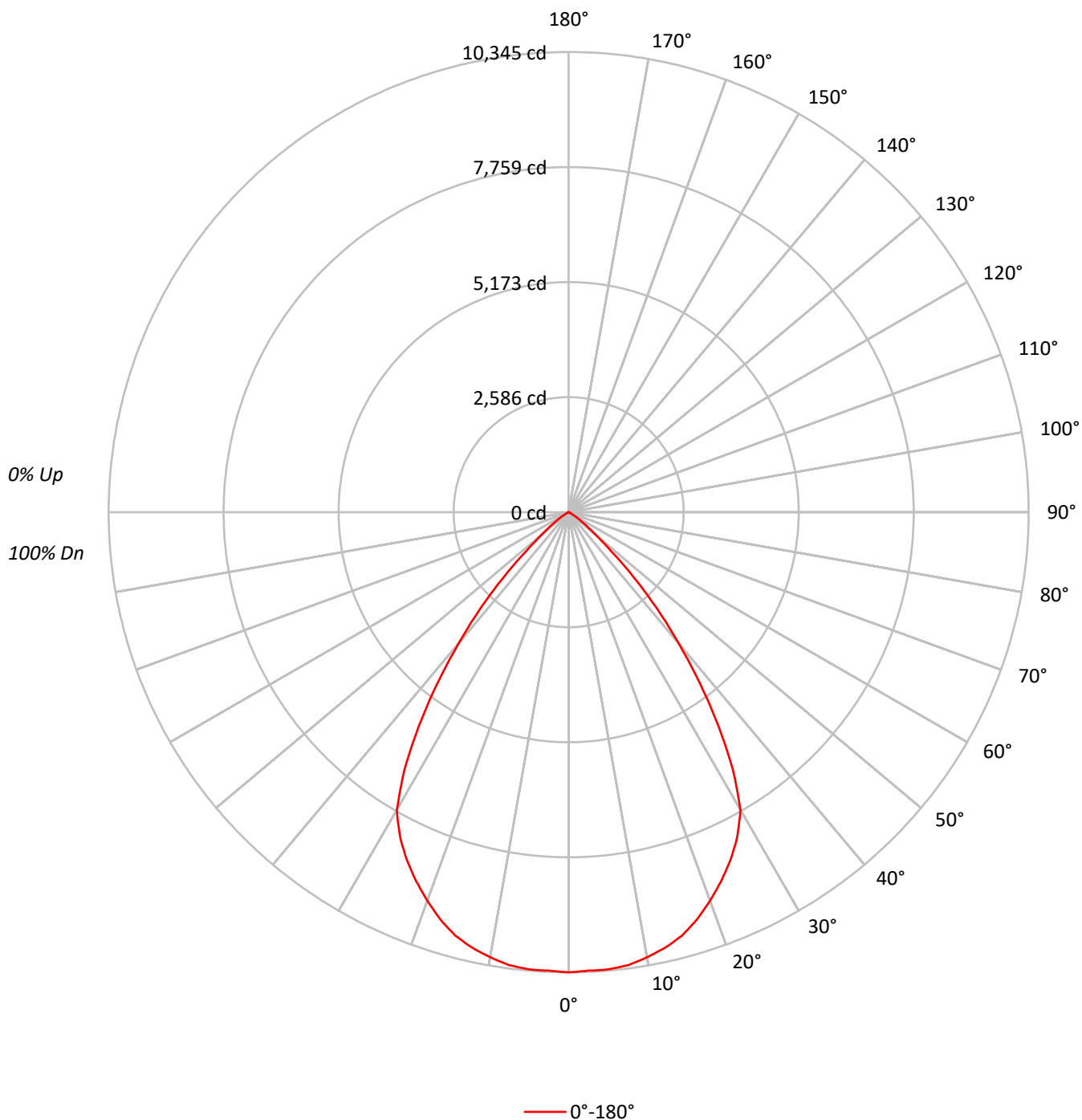
Lumens per Lamp: N/A
Luminaire Lumens: 13336.4 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92		
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85		
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78		
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71		
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65		
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60		
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55		
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51		
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47		
10	67	56	50	46	66	56	50	46	55	50	46	54	49	45	54	49	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	83889
5°	83988
10°	83668
15°	82721
20°	80202
25°	77110
30°	72356
35°	58154
40°	40648
45°	23755
50°	9994
55°	4652
60°	1252
65°	593
70°	619
75°	633
80°	612
85°	661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	979.9	7.3
10°-20°	2766.1	20.7
20°-30°	3949.8	29.6
30°-40°	3621.9	27.2
40°-50°	1634.1	12.3
50°-60°	317.7	2.4
60°-70°	38.5	0.3
70°-80°	20.8	0.2
80°-90°	7.6	0.1
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°	7695.8	57.7
0°-40°	11317.7	84.9
0°-60°	13269.5	99.5
0°-90°	13336.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13336.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10345	
5°	10317	980
15°	9853	2766
25°	8618	3950
35°	5874	3622
45°	2071	1634
55°	329	318
65°	31	38
75°	20	21
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10344.6
2.5°	10316.1
5°	10317.3
7.5°	10269.8
10°	10160.5
12.5°	10029.9
15°	9852.9
17.5°	9598.8
20°	9293.5
22.5°	8969.3
25°	8617.7
27.5°	8216.3
30°	7727.0
32.5°	6870.7
35°	5874.2
37.5°	4842.1
40°	3839.7
42.5°	2933.5
45°	2071.3
47.5°	1291.0
50°	792.2
52.5°	507.1
55°	329.0
57.5°	172.2
60°	77.2
62.5°	45.1
65°	30.9
67.5°	28.5
70°	26.1
72.5°	22.6
75°	20.2
77.5°	16.6
80°	13.1
82.5°	10.7
85°	7.1
87.5°	3.6
90°	0.0

(END OF REPORT)