

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: P1504780

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504780
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 (5000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

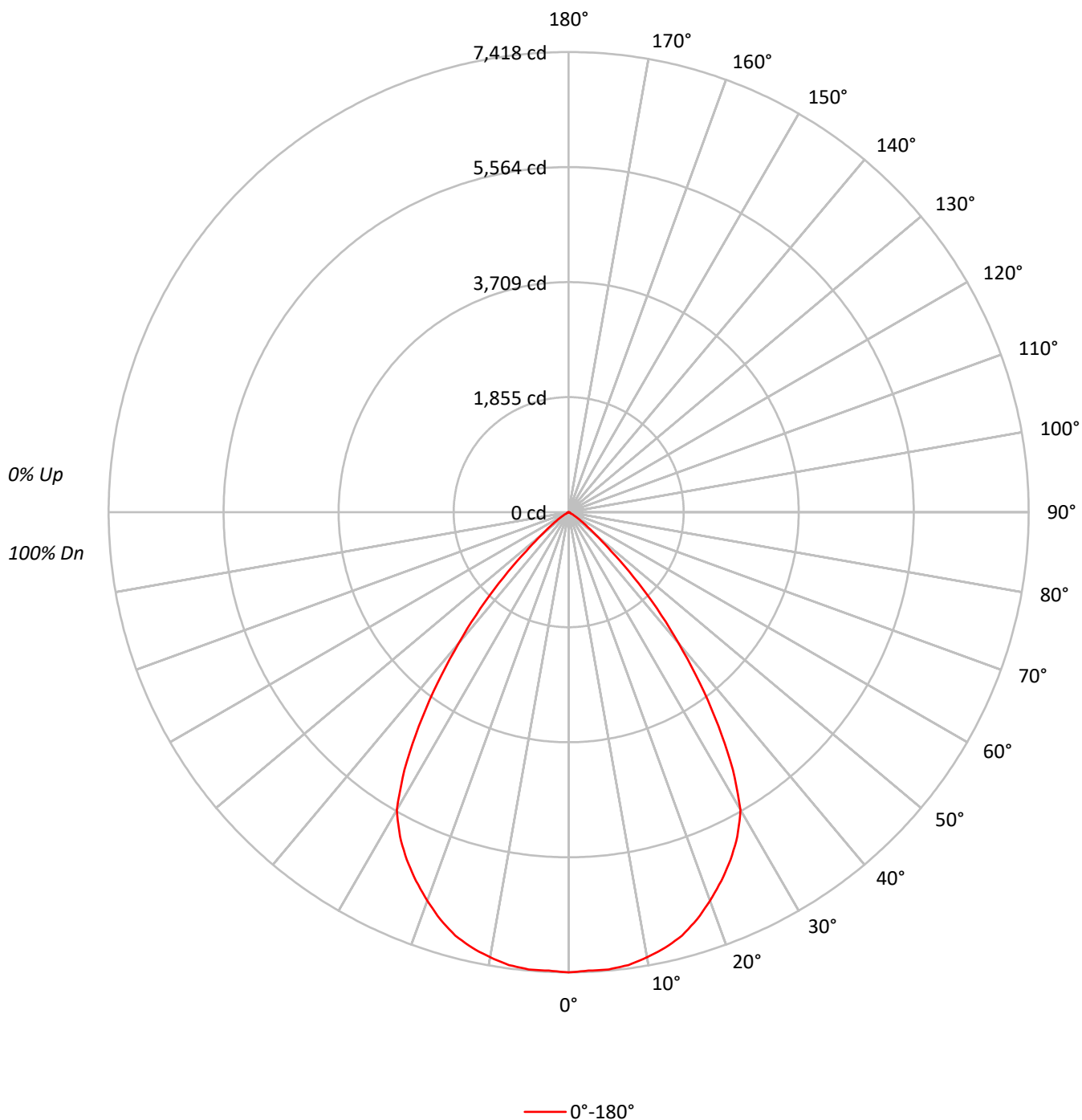
Lumens per Lamp: N/A
Luminaire Lumens: 9563.7 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 81.1
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	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°	60158
5°	60228
10°	59999
15°	59320
20°	57514
25°	55297
30°	51887
35°	41703
40°	29149
45°	17034
50°	7167
55°	3335
60°	899
65°	424
70°	443
75°	454
80°	439
85°	475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17034 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	702.7	7.3
10°-20°	1983.6	20.7
20°-30°	2832.4	29.6
30°-40°	2597.3	27.2
40°-50°	1171.8	12.3
50°-60°	227.8	2.4
60°-70°	27.6	0.3
70°-80°	14.9	0.2
80°-90°	5.5	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°	5518.8	57.7
0°-40°	8116.1	84.9
0°-60°	9515.7	99.5
0°-90°	9563.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9563.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7418	
5°	7399	703
15°	7066	1984
25°	6180	2832
35°	4212	2597
45°	1485	1172
55°	236	228
65°	22	28
75°	14	15
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7418.2
2.5°	7397.8
5°	7398.6
7.5°	7364.6
10°	7286.2
12.5°	7192.5
15°	7065.6
17.5°	6883.4
20°	6664.5
22.5°	6432.0
25°	6179.9
27.5°	5892.0
30°	5541.1
32.5°	4927.0
35°	4212.5
37.5°	3472.3
40°	2753.5
42.5°	2103.7
45°	1485.3
47.5°	925.8
50°	568.1
52.5°	363.7
55°	235.9
57.5°	123.5
60°	55.4
62.5°	32.4
65°	22.1
67.5°	20.4
70°	18.7
72.5°	16.2
75°	14.5
77.5°	11.9
80°	9.4
82.5°	7.7
85°	5.1
87.5°	2.6
90°	0.0

(END OF REPORT)