

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: P1504771

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504771
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_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

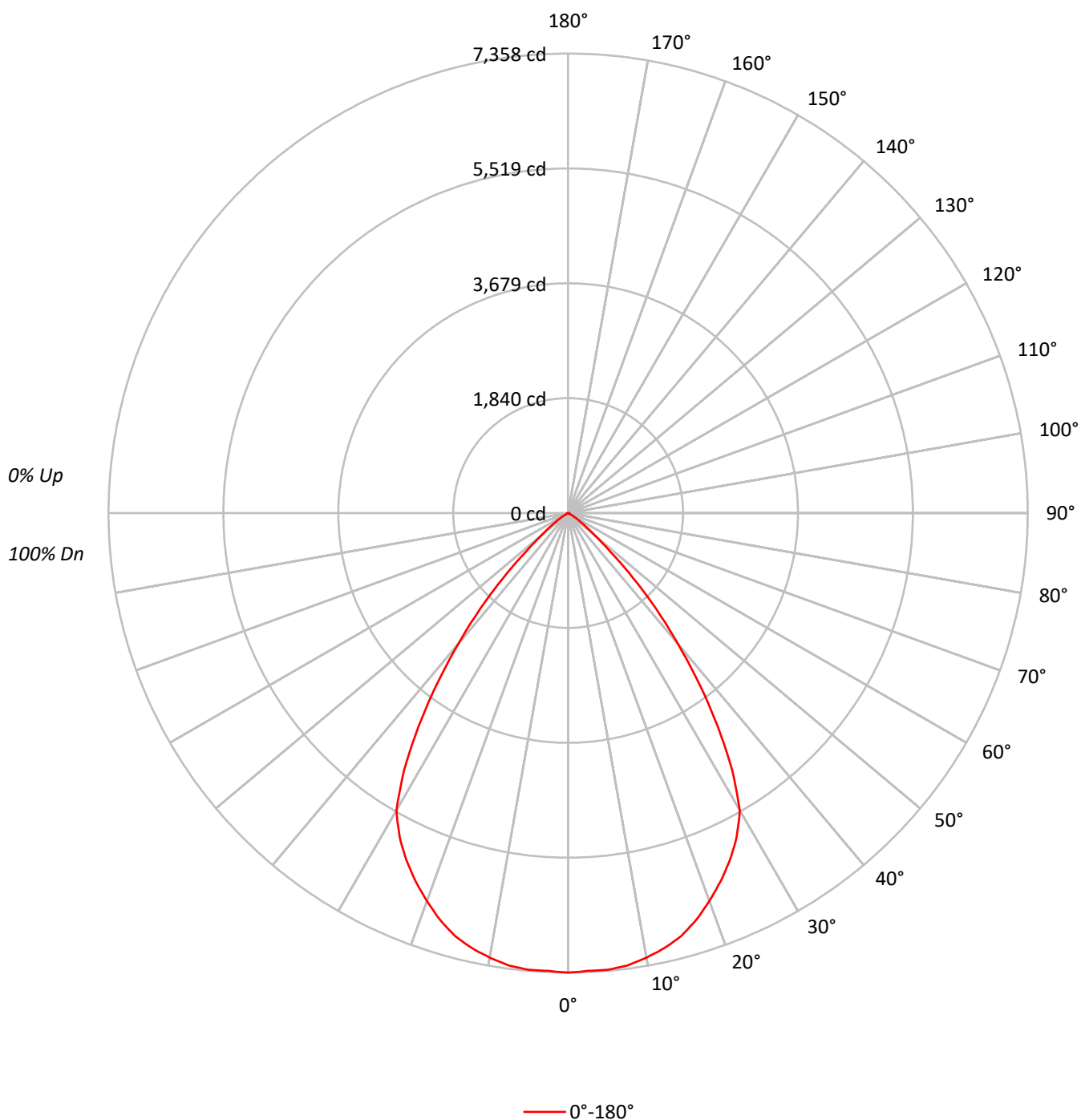
Lumens per Lamp: N/A
Luminaire Lumens: 9486.7 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	59674
5°	59744
10°	59516
15°	58842
20°	57051
25°	54851
30°	51469
35°	41367
40°	28914
45°	16898
50°	7109
55°	3308
60°	890
65°	422
70°	441
75°	451
80°	434
85°	475

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	697.1	7.3
10°-20°	1967.6	20.7
20°-30°	2809.6	29.6
30°-40°	2576.4	27.2
40°-50°	1162.4	12.3
50°-60°	225.9	2.4
60°-70°	27.4	0.3
70°-80°	14.8	0.2
80°-90°	5.4	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°	5474.3	57.7
0°-40°	8050.7	84.9
0°-60°	9439.0	99.5
0°-90°	9486.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9486.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7358	
5°	7339	697
15°	7009	1968
25°	6130	2810
35°	4178	2576
45°	1473	1162
55°	234	226
65°	22	27
75°	14	15
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7358.5
2.5°	7338.2
5°	7339.1
7.5°	7305.3
10°	7227.5
12.5°	7134.6
15°	7008.7
17.5°	6827.9
20°	6610.8
22.5°	6380.2
25°	6130.1
27.5°	5844.6
30°	5496.5
32.5°	4887.4
35°	4178.5
37.5°	3444.4
40°	2731.3
42.5°	2086.7
45°	1473.4
47.5°	918.3
50°	563.5
52.5°	360.7
55°	234.0
57.5°	122.5
60°	54.9
62.5°	32.1
65°	22.0
67.5°	20.3
70°	18.6
72.5°	16.1
75°	14.4
77.5°	11.8
80°	9.3
82.5°	7.6
85°	5.1
87.5°	2.5
90°	0.0

(END OF REPORT)